

B8595HC
2. P65-23
Copy 1

**Process Improvement for the Tracking of Out-of-State
Laboratory Renewal Applications in
EFIS (Environmental Facility information System)**

S. C. STATE LIBRARY

AUG 7 2009

STATE DOCUMENTS

Carol F. Smith

South Carolina Department of Health & Environmental Control

February 2, 2009

Table of Contents

Introduction and Problem Statement	3
Data Collection	5
Data Analysis	7
Implementation Plan	9
Evaluation Method	13
Summary and Recommendations	14
Appendices	
Appendix 1 - Flowchart	
Appendix 2 - SOP	
Appendix 3 - Task Type and Lab Review Categories	
Appendix 4 - Laboratory Certification Time Frame Reports	
Appendix 5 - Administrative Review Detail Screen	
Appendix 6 - Technical Review Detail Screen	

Introduction and Problem Statement

Environmental Facility Information System (EFIS) is a client-server system developed by the South Carolina Department of Health and Environmental Control (SC DHEC) that integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, and solid & hazardous waste program areas. One of the purposes of EFIS is to track and monitor the times associated with the application review process for environmental permits issued by SC DHEC. The times associated with the permitting process must be tracked and reported to SC DHEC Board on a quarterly basis as documented in Regulation 61-30 *Environmental Protection Fees*. The Office of Environmental Laboratory Certification is authorized under R.61-30 to charge certification fees to issue certifications (permits) to environmental laboratories under the authority of State Regulation 61-81. Certifications are issued to approximately 600 environmental laboratories located in the State of South Carolina as well as laboratories located in the other states and Canada. Certifications are issued according to Federal regulations that specify the required testing parameters and approved methodology used for regulatory compliance determinations reported to SC DHEC. Certifications are issued by parameter and analytical methods, as well as analytes when organic methodology is employed.

At the beginning of this project, EFIS was not used to track the receipt and review of the renewal applications received from out-of-state laboratories. This information was documented in an Excel spreadsheet with no ability to track the review process. The goal for this project was to design a process using EFIS to ensure

accountability and consistency for the out-of-state laboratory renewal process. The renewal process for out-of-state laboratories is labor intensive due to the number of parameters and methods these laboratories are certified to perform. Also complicating the process is that most out-of-state laboratories require annual renewal due to their certification period granted by their primary certifying authority. Out-of-state laboratories are certified based on their certification granted by their home state or another certification authority with a program considered equivalent to the South Carolina Certification Program. On-site evaluations of these laboratories are performed by their primary certifying authority. To issue certifications to these laboratories, the on-site evaluation is used along with other required documentation to determine their certification eligibility in South Carolina. The review of this documentation can employ as few as one Laboratory Certification Officer (LCO) or as many as five LCOs depending on the number and types of methods the laboratory is certified to perform.

State Regulation 61-81 *State Environmental Laboratory Certification Regulation* provides the mechanism to assure the validity and quality of data being generated for compliance with State regulations. This Regulation applies to any laboratory performing analyses to determine the quality of air, drinking water, hazardous waste, solid waste, or wastewater; performing bioassays; or performing any analyses related to the environmental quality evaluations required by the Department or which will be officially submitted to the Department. R.61-30, *Environmental Protection Fees* requires the times associated with permit application reviews be documented to ensure that the specified time periods for review are being met. Also as part of our customer service

goals to our in-state laboratories, the program is ensuring that out-of-state laboratories are meeting the same certification requirements as the in-state laboratories.

Even though a new renewal procedure for out-of-state laboratories was incorporated during the last two years, EFIS was not used for tracking the renewals. By adding an application review type of "LabCert Renewal" and adding detail screens for the administrative and technical reviews, the tracking of the review process is now possible. With the ability to track the administrative and technical reviews for the renewal applications for out-of-state environmental laboratories, the program expects improved consistency and accountability for this process. The goal of this project was to automate the renewal process for the out-of-state laboratories and develop standard operating procedures for using EFIS to fully document the administrative and technical review of the renewal documentation received from out-of-state laboratories. All documentation will be stored by EFIS for retrieval and for the development of reports.

Data Collection

The data collected documented the time related to the renewal of certification for out-of-state laboratories along with the number of parameters and methods reviewed by a Laboratory Certification Officer (LCO). The administrative and technical reviews were evaluated for consistency and accountability for the assigned LCO. Reports were developed for the administrative and technical reviews for monthly and quarterly reports to document the number of parameters and analytical methods involved with this review process. These reports will be used for accountability purposes to management.

The Laboratory Certification Time Frame Reports were expanded to allow for the reporting of the number of out-of-state renewal applications received and completed within the allowed time frames for the administrative and technical reviews. These reports can also be reviewed according to the LCO assigned the overall administrative and technical review. The individual tasks for the technical review and who performed them are also included on the reports.

A flow chart of the out-of-state renewal process is documented in Appendix 1. This process was developed with input from the staff. A Standard Operating Procedure (SOP) for performing out-of-state laboratory certification renewals was developed as the programming changes were incorporated into EFIS and is presented as Appendix 2.

Some of the operational terms and definitions used in the SOP appear below:

EFIS (Environmental Facility Information System): A client-server system developed by the South Carolina Department of Health and Environmental Control (SC DHEC) that integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, and solid & hazardous waste program areas.

Administrative Review: Performed within 14 days of receipt of the renewal application and documents the receipt of the required documentation. This review must be completed before the technical review can be performed. Certification is verified and documented by Act (Safe Drinking Water Act, Clean Water Act, Solid and Hazardous Waste), parameter, and analytical method that the lab is certified to perform. The receipt and date of revision of the standard operating procedures is also documented.

Deficiencies with any of these items are documented by the program and an administrative deficiency letter is generated for the laboratory.

Technical Review: This review includes the review of the standard operating procedures (SOPs) for the methodology used by the laboratory along with requested follow-up actions. The review of the SOPs is documented with the date of review, LCO performing the review, and deficiencies noted. The deficiencies noted in the technical review are documented in a technical deficiency letter generated for the laboratory.

This review must be performed within 90 days.

Tasks: Tasks are assigned to an LCO based on whether the administrative or technical review is being performed. Tasks for the technical review are assigned by category related to the methods that will be reviewed by a particular LCO. These are presented in Appendix 3.

Clock Operation: To monitor the times associated with a review, a clock is operated by EFIS. Upon receipt of the application, the clock is started. During the administrative and technical review, if deficiencies are noted, a deficiency letter is generated and the clock is stopped. Upon receipt of the response from the laboratory correcting the deficiency, the clock is restarted. Correct operation of the clock ensures the accuracy of the review times associated with the administrative and technical reviews.

Data Analysis

The Out-of-State Laboratory Renewal Program was tested for about three weeks before it was put into production. The testing led to some changes in the screens and entry of data, but overall few changes were needed. Since put into production, 30 out-

of-state renewals have been received and 15 have been completed. The reports now display the technical review tasks, laboratory certification officer performing the tasks, start date, completed date, number of days of review, the number of parameters/analytical methods, and the number of methods/sample preparation methods. These are presented in the Laboratory Certification Time Frame Reports in Appendix 4. Since the process of reviewing an out-of-state laboratory renewal can take several months, additional data will be collected over the next several months to determine the consistency and accountability of the renewal process. Based on the data collected so far it is evident that the assignment of individual tasks has lead to improved tracking of the renewals since several laboratory certification officers can be involved in the review of SOPs from a given laboratory. Also completion of the tasks associated with the technical review can be monitored by the Director as well as by the LCO assigned the overall review of the renewal. Task lists can be generated by the LCO to determine what technical review tasks have been assigned to him along with the time period left for his review.

The administrative review items received are noted by the completion of the checkboxes. If a box is not checked then the program notes this as a deficiency and automatically documents it in the deficiency letter. The technical review includes the review of the laboratory's SOPs, therefore the LCO has the option of using a pull down menu to select a deficiency or the LCO can enter user text for the deficiency. During the first few technical reviews, it was determine that in most cases the LCO will want to enter user text, which can be generated in "Word" and then transferred to the SOP

deficiency box in EFIS. All documentation associated with a renewal is now stored in EFIS for easy retrieval.

Three LCOs were interviewed to determine if the new process was beneficial in performing the out-of-state renewals. Positive comments were offered for the documentation of the review process for both the administrative and the technical review. Other comments concerned the fact that all of the documentation associated with a renewal is now stored in EFIS with the other information and documents associated with the laboratory. This was a great improvement since every LCO was storing the documentation in various "Word" folders and in some cases this resulted in loss of deficiency letters and other review information. As usual there have been some problems with the "clock" operation. The correct use and operation of the "clock" in EFIS has always been a challenge for all personnel using EFIS for the tracking of application reviews. With this new renewal process it is even more important than ever to perform the reviews within the allowed time frames to ensure that the documentation entered in the administrative and technical review tasks do not have to be reentered. If for some reason the "clock" malfunctions due to the incorrect entry of dates, the deletion of the administrative or technical reviews will result in the reentry of the reviews along with all of the tasks associated with those reviews. This can be a time consuming process and lead to great frustration for the LCO.

Implementation Plan

The improvement of the tracking of the renewal process for out-of-state laboratories had to be approved by EQC Administration as a CPM project. Once

approval was granted for the process improvement, a meeting was held with the EFIS programmers to determine if the resources were available to make the necessary programming changes to EFIS. The renewal process was outlined along with the goals for incorporating this process into EFIS. Once they agreed to the project proposal, then the changes to EFIS were discussed with the programmers to determine what would be possible and what type of time frame would be required. During this planning process, a flow chart was developed along with EFIS forms, screens, letters, and reports to aid the programmers in the development of this process and also to determine the time that would be required for development. The programmer estimated 165 hours to perform the required updates to EFIS. The programmer did spend some additional time to incorporate additional changes to the program as well as additional reports.

With this type of project, the time estimated for the development of the detail screens always takes longer than anticipated. Once the project was started by the programmer, the programming was completed in a week, but the testing and adjustments took additional time to complete due to work schedules. Costs associated with the project were included as part of EFIS enhancements for the Laboratory Certification Program. Because of the complexity of the Laboratory Certification Process and programming in EFIS, the project was given to a programmer who had initially worked on the certification program during its initial development. This contributed greatly in the timely completion of the programming.

The testing of the new screens and procedures presented some problems, but by completing the testing before putting the changes in production, potential problems were discovered and corrected. As always the complexity of the certification process

for the organic analyses has resulted in some changes to the Administrative review screens. Organic analytes were moved to a separate screen for ease of use by the LCO. Screen changes can be time consuming for the programmer.

The Administrative Review Details screen was automated to review all the inorganic parameters with the same method number and check the SOP box for these parameters if the method number had been previously entered. The Administrative Review Details screen is presented in Appendix 5. The Technical Review Details screen was also programmed to look for identical methods and automatically enter the same date of completion for the review of the SOPs for the same methods. The Technical Review Details screen is presented in Appendix 6.

The Tables for the deficiencies, reviews, and associated letters all had to be incorporated into EFIS. Problems were encountered with the loading of the letters, but eventually the deficiency letters were operational. The category-related technical review tasks are associated with the methods and parameters for one or more certified categories. The Table with the "Lab Review Categories" and the "Task Type" had to be established and then entered into EFIS for use with the technical review process. The Table is presented in Appendix 3. The use of the "Task Type" and what parameters were included in the specific task had to be communicated to the LCOs and incorporated into the SOP.

An obstacle to overcome during the entire process was the negativity associated with the use of EFIS and the documentation of reviews. EFIS is not a very user friendly program and the user must understand how the clock works in reviews to ensure the

correct operation of the clock. If the clock is not operating properly then the times associated with the reviews are not going to be correct.

Another EFIS user assisted in the testing of the program and offered some additional suggestions and changes to improve the operations of the screens. Also the programmer suggested some changes and enhancements that improved the appearance of the screens and operation of the reviews. Additional changes or refinements may be requested based on continued use of the program.

Over the past two years we have been having regular staff meetings to incorporate the out-of-state renewal process with our limited resources. Communication is the key to ensure the correct use of the new screens developed for the documentation of the out-of-state renewal process. Before putting the program into production, staff had to become familiar with the screens and the operations with these new screens. This was accomplished by first giving them the Flow Chart of the process along with the SOP. Then the LCOs were led through the renewal process for a selected laboratory. This demonstration included the new detail screens associated with the Administrative and Technical Review along with the procedures used to complete the detail screens. Examples of the administrative and technical deficiency letters along with the printed reviews were also provided to them for review. It always takes additional time and patience to automate new work processes, but in the end automation of these processes can result in increased productivity, consistency, and accountability.

Evaluation Method

The out-of-state laboratory renewals performed during the month of December and January were evaluated using the new out-of-state renewal process. The administrative and technical reviews were monitored to ensure that the new detail screens were completed properly by the assigned LCO and that the design of the process was functional. Meetings were held with the users of the program to determine changes or refinements that were needed or additional reports that would be helpful to the LCOs.

Reports were generated from EFIS documenting the number of renewals received and completed during this time period. The information includes the Administrative Review with who performed the review and total days for the Administrative Review (Hold Days and EQC Days). The information also documents the Technical Review with the associated category reviews performed by the assigned LCO with number of parameters/analytical methods and methods/SPM, total days for Technical Review (Hold Days and EQC Days). These reports are in Appendix 4. The data on the reports will be evaluated over the next several months to determine if the out-of-state renewal process had resulted in improved consistency and accountability.

In reviewing the data collected with the out-of-state laboratory renewal process, it was discovered that several of the reviews had not been completed using the new process. This resulted in the LCO having to perform the review again so that the data would be documented in the system. This is important since the entered information will be consulted during the next renewal performed for this laboratory. In an effort to reinforce the process, additional training will be performed as a group in a classroom

setting where all laboratory certification officers can review the completion of the administrative and technical reviews all at one time. The use of shortcut keys and other helpful hints on entering the information along with the generation of documents will be reviewed with all of the LCOs. Some LCOs may require additional training as they perform their renewals. Also upon submission of the renewal certificate to the Director for signature, the information in EFIS will be reviewed for proper completion and any corrections needed communicated at that time to the assigned LCO. This will also lead to increased accountability for all of the staff since the tasks and reviews performed are now documented on the Laboratory Certification Time Frame Reports (Appendix 4). We intend to measure this by compiling the number of administrative and technical reviews performed by a LCO as well as specific tasks, number of methods, and time of review. Not only will the overall time of review be documented, but the review of individual tasks can be monitored and reviewed at any time during the renewal process.

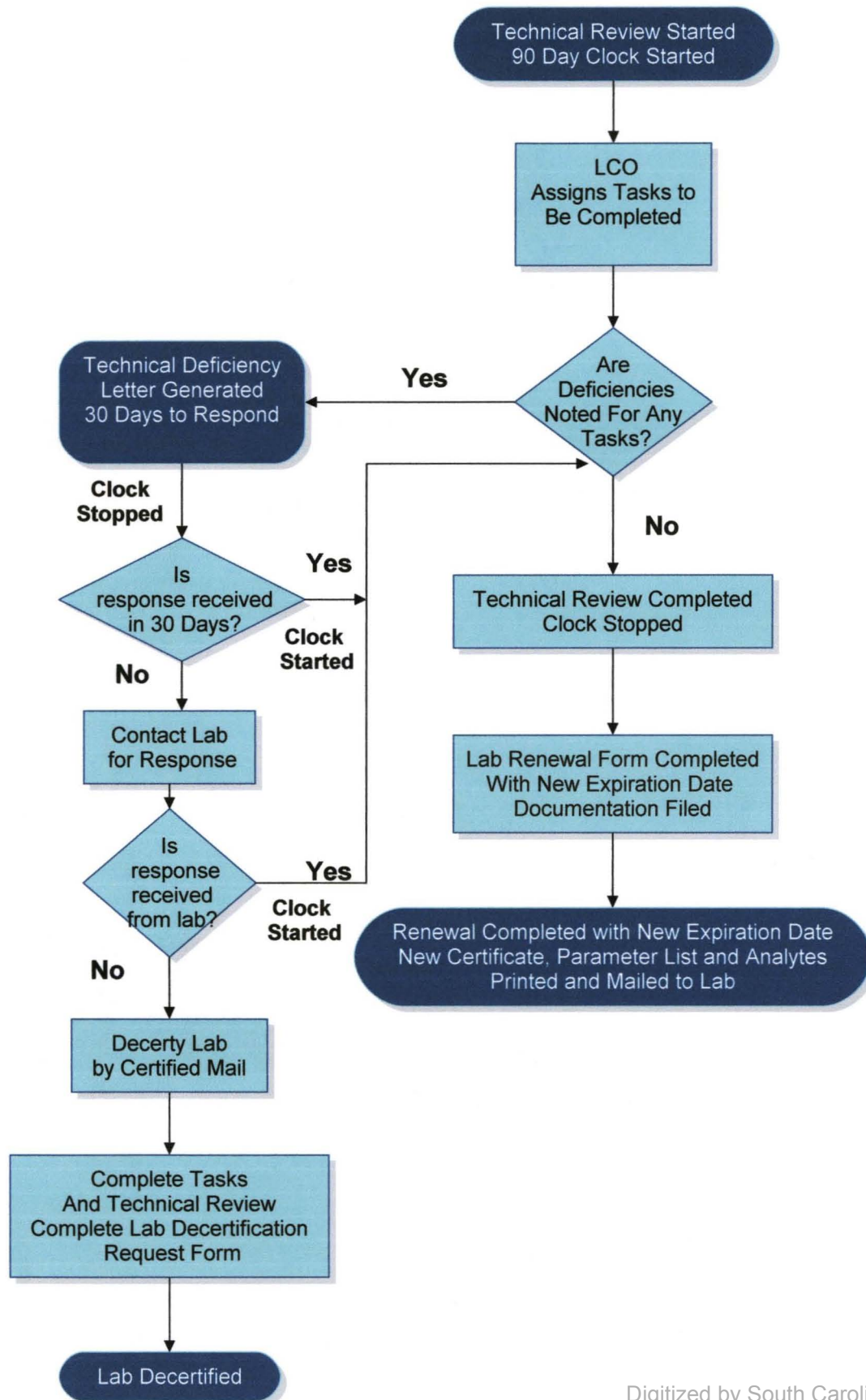
Summary and Recommendations

The Out-of-State Laboratory Renewal Process has already resulted in greater consistency and accountability in terms of the information received from the out-of-state laboratories and how the receipt is documented in EFIS. The entire review process of this information is documented along with the LCO that has completed the review. The generation of deficiency letters and other correspondence is much easier, since the letters are generated by EFIS and the EFIS user can enter their own text concerning the deficiencies or use the EFIS generated text. Also the letters and all required information concerning a laboratory's renewal are stored in EFIS with the associated certification

information. This information is available for anyone to review. As additional renewals are performed, this process will become routine. The documentation of this process has led to the incorporation of a similar process for the renewal of the approximately 500 in-state laboratories. With increased consistency and accountability, the hope is that the renewals of both in-state and out-of-state laboratories will be performed in shorter time frames, resulting in increased productivity for the Laboratory Certification Program.

Appendix 1

Out-of-State Laboratory Renewal Process



Appendix 2

**Standard Operating Procedure
For Renewal of Out-Of-State
Laboratories**

Revision 2

Office of Environmental Laboratory Certification

Bureau of Environmental Services

SC Department of Health and Environmental Control

Developed By: _____ **Date:** _____

Approved By: _____ **Date:** _____

Approved By: _____ **Date:** _____

Document Review and Revision Record

Approval Date	Revision No.	Record of Activity

Table of Contents

1.0 Purpose	4
2.0 Applicability/Scope	4
3.0 Summary of Procedure	4
4.0 Definitions	4
5.0 Out-of-State Laboratory's Certification Renewal Letters	5
6.0 Renewal Package Receipt	6
7.0 Administrative Review	6
8.0 Administrative Review Deficiency	7
9.0 Technical Review	9
10.0 Technical Deficiency	11
11.0 Attachments	12

1.0 Purpose

- 1.1 This standard operating procedure (SOP) establishes the requirements for the procedures necessary to perform the renewal of out-of-state laboratories in accordance with State Regulation 61-81 State Environmental Certification Regulation. The renewal procedure is followed for those laboratories certified under a State or National Environmental Laboratory Certification Program considered equivalent to the South Carolina Certification Program.

2.0 Applicability/Scope

The policies and procedures in this SOP are applicable to anyone involved in the renewal process for out-of-state laboratories certified according to State Regulation 61-81.

3.0 Summary of Procedure

State Regulation 61-81 establishes the certification process for environmental laboratories reporting regulatory compliance data to SC DHEC. Once out-of-state laboratories are certified, they are renewed according to a schedule established by their certifying authority. This procedure specifies the renewal procedures required along with how they are performed and documented in EFIS. See Flowchart in Attachment 1.

4.0 Definitions

- 4.1 State Environmental Laboratory Certification Regulation 61-81 (R.61-81) - provides the mechanism to assure the validity and quality of environmental data submitted to the Department for compliance with State and Federal Regulations.
- 4.2 Laboratory Certification Officer (LCO) - Individual qualified for reviewing documentation and performing an evaluation for determination of eligibility for certification under Regulation 61-81.
- 4.3 Certificate - Document issued to certified laboratories specifying their certification.
- 4.4 Certifying Authority - Authority issuing primary certification to a laboratory and performing the on-site evaluation of the laboratory.
- 4.5 EFIS (Environmental Facility Information System) - Database used to document the issuance of certificates (permits), review of applications, billing information, and certification information.

4.6 Administrative Review - The review of documentation submitted with an application to determine completeness.

4.7 Technical Review – The review of the documentation to determine compliance with certification requirements.

5.0 Out-of-State Laboratory's Certification Renewal Letters (Attachment 2)

Out-of-State laboratories are issued certification based on their State Certifying Authority or based on national accreditation issued by the National Environmental Laboratory Accreditation Program (NELAP). Certification is issued based on the certification period established by their primary certifying authority. The certification status of all laboratories is reviewed daily using two EFIS reports. The reports document the laboratories that will expire within 45 days and the laboratories that have an expired status.

5.1 45 Day Notification of Expiration - EFIS reviews on a daily basis the out-of-state certificates that are expiring within 45 days. A list of the labs is generated along with a letter and renewal checklist documenting the requirements for renewal of their certification. The letter and checklist are mailed to the laboratory. If the requested renewal information is submitted before the expiration date of the laboratory's certificate, the overall status of the laboratory is changed to "Pending".

5.2 Notification of Expiration - EFIS checks on a daily basis for expired labs with a status not equal to "Pending". A list of the expired labs is generated and the status of the laboratories is changed to "Expired-Inactive". Expiration letters are generated and mailed to these laboratories along with a renewal checklist.

5.3 Renewal Checklist Documentation (Attachment 3)

The documentation submitted on the renewal checklist may be submitted on a CD for storage purposes. The following items must be submitted with the renewal application.

5.3.1 Certificate, parameter, methods, and analyte list from certifying authority with new expiration date.

5.3.2 Evaluation report from the primary certifying authority and response with corrective actions from laboratory to the certifying authority.

5.3.3 Quality Assurance Plan with Revision Date.

5.3.4 Standard Operating Procedures with revision dates for all methods that the laboratory is currently certified to perform.

5.3.5 Current listing of all personnel with job duties.

6.0 Renewal Package Receipt

- 6.1 Upon receipt of the renewal package, all documentation is date-stamped with the date of receipt by an administrator.
- 6.2 In the Permit Entry Update Screen for the laboratory certificate, the administrator enters an application type of "Labcert Renewal". The date of receipt is documented and the package is assigned to an LCO for review.
- 6.3 The administrator changes the overall status of this certificate to "Pending".
- 6.4 A folder is created for the renewal to include the Detailed Permit Application Information generated from EFIS, Lab Parameter Report for the applicable certificate, and renewal package from laboratory. This folder is delivered to the assigned LCO. (Attachment 4)

7.0 Administrative Review (Attachment 5)

The Administrative Review is completed to determine if the renewal documentation is received. This documentation is listed under Section 5.3. Upon entry in EFIS by the administrator, the administrative review clock is automatically started. The assigned LCO has 14 days to complete the administrative review.

- 7.1 The assigned LCO upon receipt of the renewal package locates the laboratory and pertinent certificate number in EFIS and selects Details which pulls up the Permit Entry Update Screen for this certificate.
- 7.2 The LabCert Renewal for the application date of receipt is selected and the Reviews button clicked.
- 7.3 The Reviews screen documents the Administrative and Technical Reviews. The Administrative Review shows a status of "in process" with a due date, whereas the Technical review will be "Pending".
- 7.4 Highlight the Administrative Review and click the Tasks button.
- 7.5 At the Task screen, the LCO adds an Administrative Review Task: Task Group = LabCert Review Activities. Task Type = Out Of State Administrative Review. Set the status of the review to "In Process" and enter the start date and date due (optional) for the task and enter the LCO assigned to the review in the Person Assigned field. Save the task.

- 7.6 The Details button for this task will invoke the Out of State Administrative Review screen to enter the task details.
 - 7.7 The receipt of the documentation requested from the laboratory will be documented on this screen. The assigned LCO must complete the information at the top of the screen, based on the receipt of all these items.
 - 7.8 The Table at the bottom of the screen will be pre-filled with the certified Acts, Category, Parameter/Analytical Method, Method/SPM, and analytes that the laboratory is currently certified to perform. The LCO must first review the laboratory's new certificate issued by their certifying authority and verify the certification of all Acts, parameter/analytical method, Method/SPM, and analytes using the "Cert" checkbox.
 - 7.9 The LCO then documents the receipt of the applicable SOPs along with the revision date. The SOP revision date cannot be entered if the SOP checkbox is unchecked.
 - 7.10 After updating all the information on the screen, click the Save button. Use the Print button at the bottom of the screen to print the information on the screen. This will be added to the Renewal Folder for the Lab.
 - 7.11 If the Deficiency check box is not checked and all items are received, then change the status of the Out of State Administrative Review to Completed, set the Completed Date to the date on which the review was completed, and set the result of the task to Complete. See Section 8.0 if deficiencies are noted for any of the items.
 - 7.12 Select the printer icon in the menu bar to invoke the Document Entry/Update screen for printing the Administrative Review complete letter. (Attachment 8) Use the Document Name LOV to select the Lab Adm Review Complete--Renewal Out of State document. Select the print button to print the letter.
 - 7.13 On the Reviews form, change the status of the Administrative Review to Complete, and enter the date on which the review was completed.
 - 7.14 Next, complete the Technical Review. See Section 10.0.
- 8.0 Administrative Review Deficiency
- 8.1 The Deficiency (DEF?) to the right of the SOP Revision Date is a non-enterable field and is automatically checked if one or more of the following deficiencies are present.

- 8.1.1 Items at the top of the page not submitted.
- 8.1.2 The Parameter/Analytical Method and/or Method/SPM are not certified.
- 8.1.3 The SOP is not received.
- 8.1.4 The SOP Revision Date is blank.
- 8.2 If the Deficiencies checkbox is checked, then the LCO will add a new task (Administrative Deficiency) to the review. On the Task screen, select the Task Group=LABCERT REVIEW ACTIVITIES, Task Type = ADMINISTRATIVE DEFICIENCY. Set the status to "Clock Stopped" and enter the date in the Start/Rec'd Date, and enter the date on which the lab's response is due in the Due Date field. Save the task. This task will stop the review clock.
- 8.3 Select the printer icon in the menu bar to invoke the Document Entry/Update screen.
- 8.4 Use the Document name LOV to select the Lab Admin Review Deficiency-Renewal Out of State document. Use the Save Draft Button to invoke Microsoft Word. The document will be displayed and will include the parameters/analytical methods from the Administrative review that had a deficiency as listed in Section 8.1. (Attachment 6)
- 8.5 Make the necessary changes or additions to the document. Print the document and save the document. Exit Word to return to the Document Entry/Update form. The document will be added to the Previously Created Document list. Review the printed document. If correct change the status of the document to Final Draft. If changes are needed before the document is mailed, use the Modify Draft button to update the document.
- 8.6 When a response is received from the lab, update the Administrative Deficiency task. Change the status of the task to Completed, set the Completed Date to the date on which the response was received, and set the Result to Completed. This will restart the review clock.
- 8.7 Return to the Out of State Administrative Review task. Use the Details button to update the parameters with the lab's responses to the deficiency letter. If Deficiencies are still noted, enter another Administrative Deficiency task. See Section 8.0. If all deficiencies are corrected go to Section 8.8.

- 8.8 Change the status of the Out of State Administrative Review to Completed, set the Completed Date to the date on which the review was completed, and set the result of the task to Complete.
- 8.9 Select the printer icon in the menu bar to invoke the Document Entry/Update screen for printing the Administrative Review complete letter. Use the Document Name LOV to select the Lab Adm Review Complete--Renewal Out of State document. Select the print button to print the letter.
- 8.10 On the Reviews form, change the status of the Administrative Review to Complete, and enter the date on which the review was completed.
- 8.11 Next, complete the Technical Review. See Section 9.0.

9.0 Technical Review (Attachment 7)

The Technical Review includes the review of all of the Standard Operating Procedures (SOP) and Quality Assurance Plan (QAP). This can be a time consuming process depending on the number of methods the laboratory is certified to perform as well as the complexity of the methodology employed. The LCO is given 90 days to complete the Technical Review.

- 9.1 Select the Reviews button associated with the Renewal Application. On the Reviews screen select Technical Review. Change the status of the Technical Review to "In Process", with a Start Date and Due Date. The assigned to field should already be set to the person assigned the review. Save this entry. You will be asked "Do you want to start the clock automatically?" Select Yes and the clock will be started.
- 9.2 Select the Tasks button.
- 9.3 Add a new Technical Review task: Task Group = LabCert Review Activities, Task Type = Out of State Tech Review. Set the status of the review to "In Process", enter a start date, due date (optional), and enter the LCO assigned to the overall review in the Person Assigned field. Save the Task.
- 9.4 The category-related review tasks (such as Inorganic Review, Organic Review, or Trace Metals) will be automatically populated as needed for the category of methods being reviewed. For each category-related review task added the Status be set to "Pending". Set the Person Assigned to the LCO responsible for the category-related review.

- 9.5 Select the Details button to bring up the Out of State Technical Review details screen to populate the list of parameters associated with the review. (The LCO does not make changes to the screen at this point.) Exit the Out of State Technical Review Details screen.
- 9.6 The LCO assigned to the category-related tasks bring up the Tasks screen associated with the Technical Review, selects the review to which they are assigned, and changes the status to "In Process", then selects the Details button to update the information on the Out of State Technical Review details screen. Only the methods and SOPs they are responsible to review will appear. The print button at the bottom of the details screen provides a report of the methods and SOPs they are responsible for reviewing.
- 9.7 The LCO assigned the overall review can go in at anytime to review the status of the reviews assigned to other LCOs by going to the details screen for the individual category-related review, or can select the Details button associated with the Out of State Technical Review task to view or print all categories.
- 9.8 The LCO assigned to the category-related reviews should complete their individual reviews by changing the status to "Completed", set the Completed Date, and set the Result to "Completed".
- 9.9 If deficiencies are noted with any of the reviews a Technical Deficiency letter is required. Deficiencies can be entered using the pull down menu or by the user entered text. If detailed text is needed, the LCO has the option of saving it in "Word" and then putting it directly in the deficiency field for the method. Refer to Section 10.0.
- 9.10 When the overall Technical Review is complete, change the status of the Out of State Technical Review task to "Completed", set the Completed Date to the date on which the review was completed, and set the Result of the task to "Complete".
- 9.11 On the Reviews screen, change the status of the Technical Review to Complete, and enter the date on which the review was completed.
- 9.12 The LabCert Renewal application must be changed to "Complete" and a decision of Approved with the Date must be entered on the permit/entry update screen. A Laboratory Renewal Form must be completed with the new expiration date and given to the Administrator for entry and generation of a new certificate and analyte list. (Attachment 9)

10.0 Technical Deficiencies

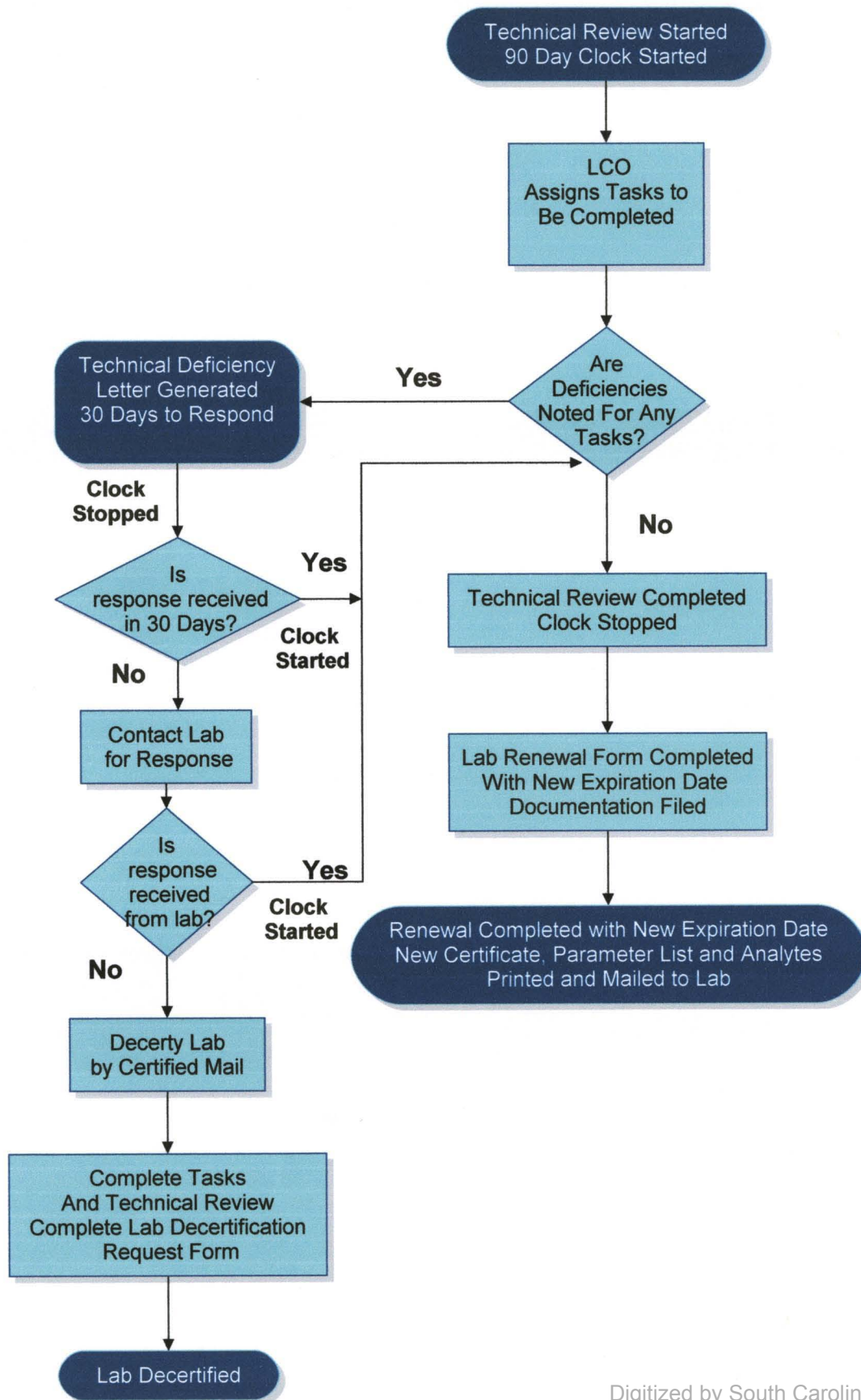
- 10.1 Select the Reviews button associated with the Renewal Application. On the Reviews screen, select the Technical Review. Select the Tasks button.
- 10.2 On the Tasks screen add a new Technical Deficiency task: Task Group = LabCert Review Activities, Task Type = Technical Deficiency. Set the status of the task to "Clock Stopped", enter the date in the Start/Rec'd Date, and enter the date on which the lab's response is due in the Due Date field. This task will stop the review clock. Save the task.
- 10.3 Select the printer icon in the menu bar to invoke the Document Entry/Update screen.
- 10.4 Use the Document Name LOV to select the Lab Tech Review Deficiency – Renewal Out of State document. (Attachment 8) Use the Save Draft Button to invoke Microsoft Word. The document will be displayed and will include the parameters/analytical methods from the Technical Review that had a deficiency as listed.
- 10.5 Make changes or additions to the letter as needed. Print the document and save the document and exit Word to return to the Document Entry/Update screen. This document will be added to the Previously Created Document list.
- 10.6 Review the printed document. If it is correct, change the status of the document to Final Draft. If any changes need to be made prior to sending the document to the lab, use the Modify Draft button to update the document.
- 10.7 When a response is received from the lab, update the Technical Deficiency task. Change the status of the task to "Completed", set the Completed Date to the date on which the response was received, and set the Result to "Completed". This will restart the review clock.
- 10.8 Return to the category-related review tasks to update the parameters with the lab's responses to the deficiency letter. If deficiencies are still noted, enter another Technical Deficiency task. See Section 10.0. If all deficiencies are corrected go to Section 9.10.

11.0 Attachments

Attachment 1	Renewal Process Flowchart
Attachment 2	Out of State Labs Expiring in 45 Days (PMLABOSL) Daily Expiration Report/Letters Report (PMLABEXL)
Attachment 3	Out-of-State Renewal Checklist
Attachment 4	EFIS Permit Application Information and LABPAR Report
Attachment 5	Administrative Review Screens
Attachment 6	Administrative Review Deficiency
Attachment 7	Technical Review Screens
Attachment 8	Technical Review Deficiency
Attachment 9	Renewal Form and Certificate

Attachment 1

Out-of-State Laboratory Renewal Process



Attachment 2

Out-of-State Labs Expiring Within 45 Days Report and Letters

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Laboratory Certification Out Of State Renew...

Out-of-State Labs Expiring within 45 Days

Print Report?

Print Letters?

Run

Report Names

Commercial Lab Report
Daily Expiration Report/Letters
EPA Report
Evaluation Date Range Report
Failed/Not Received Audit Studies
Lab Certification Status Report
Lab Expiration Date Range Report
Lab Parameters Report
Lab Time Frame Report Using Date Received
Lab Time Frame Report Using Date of Final Decision
Labs Participating in EPA Audit Studies
List of Labs by County/State
Master List of Laboratories
Missing Audit Studies
Monthly Permit Status Report
Out of State Labs Expiring in 45 Days
Quarterly Evaluations Report
Quarterly Scheduled Evaluation Statistics
Report by Certifying Authority

Generate Report

Record: 1/1 <OSC> <DBG>

Out-of-State Labs Daily Expiration Report and Letters

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Lab Certification Daily Expirations

Expiration Date Range From To

Print Report?

Print Letters?

Run

Report Names

Commercial Lab Report
Daily Expiration Report/Letters
EPA Report
Evaluation Date Range Report
Failed/Not Received Audit Studies
Lab Certification Status Report
Lab Expiration Date Range Report
Lab Parameters Report
Lab Time Frame Report Using Date Received
Lab Time Frame Report Using Date of Final Decision
Labs Participating in EPA Audit Studies
List of Labs by County/State
Master List of Laboratories
Missing Audit Studies
Monthly Permit Status Report
Out of State Labs Expiring in 45 Days
Quarterly Evaluations Report
Quarterly Scheduled Evaluation Statistics
Report by Certifying Authority

Generate Report

Record: 1/1 <OSC> <DBG>

Out-of-State Lab Expiring in 45 Days Letter (LABEXPOS)

<date>

<director_3>

<name>

<address>

Re: SC Certification Renewal Procedures
Laboratory ID # <labid>
Certificate # <certid>
Certifying Authority: <certauth>
Expiration Date: <expdate>

Dear <director_2>:

On <expdate> your laboratory's certification with the South Carolina Certification Program for the above referenced Certificate will be expiring. To ensure the continued certification of your laboratory it is important for you to submit the requested documentation prior to the expiration date noted above. A checklist documenting the required documentation that must be submitted is included with this letter. This documentation can be submitted as a hard copy or provided on a CD. If the required documentation is already on file with our office, the dates of submittal must be provided for traceability to our records. Dates of revision can be noted for the SOPs and QA Plan.

This information must be submitted as soon as possible to ensure renewal of your certification before the noted expiration date. If you have any questions, please contact our office as soon as possible.

Sincerely,

Carol F. Smith, Director
Office of Environmental Laboratory Certification
Bureau of Environmental Services

Enclosure

cc: R. Wayne Davis, Assistant Bureau Chief
Bureau of Environmental Services

**Lab Expiration Letter
(LABEXPLTR)**

CERTIFIED MAIL

<date>

<director>

<name>

<address>

Re: Laboratory ID #<labid>
 Certificate Number: <certid>
 Expiration Date: <expdate>

Dear <director_2>:

Based upon the information above, your approved reporting status in South Carolina has elapsed.

To avoid revocation of your laboratory's certification, please remit the items on the attached **Out-of-State Laboratory Certification Renewal Checklist** along with your current certificates or documentation of your laboratory's continued approved reporting status from the affected certifying authority. This documentation must be received within fifteen (15) days of receipt of this letter. Failure to submit the requested documentation within the fifteen (15) days may result in decertification of your laboratory.

If you have any questions concerning this matter, please contact this office.

Sincerely,

Carol F. Smith, Director
Office of Environmental Laboratory Certification
Bureau of Environmental Services

CFS:vn

Attachment 3

Out-of-State Laboratory Certification Renewal Checklist

Laboratory Name: _____

S.C. Laboratory ID#: _____

S.C. Laboratory Certificate ID#: _____

Certifying Authority: _____

S.C. Laboratory Certificate ID#: _____

Certifying Authority: _____

S.C. Laboratory Certificate ID#: _____

Certifying Authority: _____

EPA Laboratory ID# (for PTs): _____

Please submit the following information for out-of-state laboratory certification renewal.

- _____ 1. A current certificate from the certifying authority documented above.
- _____ 2. The current analyte list from the certifying authority documented above.
- _____ 3. The most recent onsite evaluation from the certifying authority for the methods in which renewal is requested (can be submitted on CD).
- _____ 4. The laboratory response to the onsite evaluation report (can be submitted on CD).
- _____ 5. A list of proficiency test (PT) providers currently being used.
- _____ 6. An updated QA plan (this can be submitted on CD).*
- _____ 7. Updated QAP and SOPs for methods that are being renewed (can be submitted on CD). *
- _____ 8. Current listing of personnel with their primary responsibilities.

Comments: _____

* If the most current is on file, these are not required to be submitted.

Attachment 4

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

12/30/2008

AES INC (Lab ID 98016)

Laboratory Director: DANA B TILL

Certifying Authority: NC

Certificate Number: 98016002

Date of Issue: 11/05/2008

Expiration Date: 12/31/2008

STATUS

CLEAN WATER ACT

INORGANIC - DEMAND

BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210B (20TH)	C
CHEMICAL OXYGEN DEMAND (COD)	EPA 410.4 (1993)	C
TOTAL ORGANIC CARBON (TOC)	SM 5310B (20TH)	C

INORGANIC - MINERAL

ALKALINITY	EPA 310.2 (1974)	C
ALKALINITY	SM 2320B (20TH)	C
CHLORIDE	EPA 300.0 (1993)	C
CHLORIDE	SM 4500CL-E (20TH)	C
FLUORIDE	EPA 300.0 (1993)	C
HARDNESS, TOTAL (AS CaCO ₃)	SM 2340B (18TH)	C
HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)	C
SPECIFIC CONDUCTANCE	EPA 120.1 (1982)	C
SULFATE	EPA 300.0 (1993)	C

INORGANIC - MISCELLANEOUS

CYANIDE	SM 4500CNC,E (20TH)	C
OIL & GREASE	EPA 1664A	C
PHENOLICS, TOTAL RECOVERABLE	EPA 420.1 (1978)	C
RESIDUAL CHLORINE	SM 4500CLG (20TH)	C
SULFIDE	SM 4500S2F (20TH)	C
TURBIDITY	EPA 180.1 (1993)	C

INORGANIC - NUTRIENT

AMMONIA-NITROGEN	EPA 350.1 (1993)	C
KJELDAHL-NITROGEN	EPA 351.2 (1993)	C
NITRATE-NITRITE (N02&N03)	EPA 300.0 (1993)	C
NITRATE-NITRITE (N02&N03)	EPA 353.2 (1993)	C
NITRATE-NITROGEN	EPA 300.0 (1993)	C
NITRITE-NITROGEN	EPA 300.0 (1993)	C
ORTHOPHOSPHATE	EPA 300.0 (1993)	C
ORTHOPHOSPHATE	EPA 365.1 (1993)	C
PHOSPHORUS	EPA 365.1 (1993)	C

INORGANIC - RESIDUE

RESIDUE, NONFILTERABLE (TSS)	SM 2540D (20TH)	C
RESIDUE, SETTLEABLE (SS)	SM 2540F (20TH)	C
RESIDUE, TOTAL (TS)	SM 2540B (20TH)	C
SOLIDS, TOTAL DISSOLVED (TDS)	SM 2540C (20TH)	C

INORGANIC - TRACE METAL

ALUMINUM	EPA 200.7 (1994)	C
ALUMINUM	EPA 200.8 (1994)	C

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

12/30/2008

AES INC (Lab ID 98016)

Laboratory Director: DANA B TILL

Certifying Authority: NC

Certificate Number: 98016002

Date of Issue: 11/05/2008

Expiration Date: 12/31/2008

CLEAN WATER ACT

INORGANIC - TRACE METAL

ANTIMONY	EPA 200.7 (1994)	C
ANTIMONY	EPA 200.8 (1994)	C
ARSENIC	EPA 200.7 (1994)	C
ARSENIC	EPA 200.8 (1994)	C
BARIUM	EPA 200.8 (1994)	C
BERYLLIUM	EPA 200.7 (1994)	C
BERYLLIUM	EPA 200.8 (1994)	C
CADMIUM	EPA 200.7 (1994)	C
CADMIUM	EPA 200.8 (1994)	C
CALCIUM	EPA 200.7 (1994)	C
CHROMIUM	EPA 200.7 (1994)	C
CHROMIUM	EPA 200.8 (1994)	C
COBALT	EPA 200.7 (1994)	C
COBALT	EPA 200.8 (1994)	C
COPPER	EPA 200.7 (1994)	C
COPPER	EPA 200.8 (1994)	C
IRON	EPA 200.7 (1994)	C
LEAD	EPA 200.7 (1994)	C
LEAD	EPA 200.8 (1994)	C
MAGNESIUM	EPA 200.7 (1994)	C
MANGANESE	EPA 200.7 (1994)	C
MANGANESE	EPA 200.8 (1994)	C
MERCURY	EPA 245.1 (1994)	C
MOLYBDENUM	EPA 200.8 (1994)	C
NICKEL	EPA 200.7 (1994)	C
NICKEL	EPA 200.8 (1994)	C
SELENIUM	EPA 200.7 (1994)	C
SELENIUM	EPA 200.8 (1994)	C
SILVER	EPA 200.7 (1994)	C
SILVER	EPA 200.8 (1994)	C
THALLIUM	EPA 200.7 (1994)	C
THALLIUM	EPA 200.8 (1994)	C
VANADIUM	EPA 200.7 (1994)	C
VANADIUM	EPA 200.8 (1994)	C
ZINC	EPA 200.7 (1994)	C
ZINC	EPA 200.8 (1994)	C

PCBS AND PESTICIDES

ORGANOCHLORINE PESTICIDES & PCBS - GC/ECD	EPA 608	C
---	---------	---

SEMI-VOLATILES

BASE/NEUTRALS AND ACIDS - GC/MS	EPA 625	C
POLY. AROM. HYDROC. (PAHS)-GC/FID OR HPLC	EPA 610	C

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

12/30/2008

AES INC (Lab ID 98016)

Laboratory Director: DANA B TILL

Certifying Authority: NC

Certificate Number: 98016002

Date of Issue: 11/05/2008

Expiration Date: 12/31/2008

CLEAN WATER ACT

VOLATILES (VOCS)

PURGEABLES - GC/MS

EPA 624

C

Certificate Number: 98016002

Date of Issue:

Evaluator: SMITHCF

Evaluation Date: 02/12/2008

Laboratory Director: DANA B TILL

Expiration Date: 12/31/2008

CLEAN WATER ACT

----- PCBS AND PESTICIDES -----

EPA 608

4,4'-DDD	C
4,4'-DDE	C
4,4'-DDT	C
ALDRIN	C
ALPHA-BHC	C
BETA-BHC	C
CHLORDANE	C
DELTA-BHC	C
DIELDRIN	C
ENDOSULFAN I	C
ENDOSULFAN II	C
ENDOSULFAN SULFATE	C
ENDRIN	C
ENDRIN ALDEHYDE	C
GAMMA-BHC (LINDANE)	C
HEPTACHLOR	C
HEPTACHLOR EPOXIDE	C
METHOXYCHLOR	C
PCB-1016 (AROCLOR-1016)	C
PCB-1221 (AROCLOR-1221)	C
PCB-1232 (AROCLOR-1232)	C
PCB-1242 (AROCLOR-1242)	C
PCB-1248 (AROCLOR-1248)	C
PCB-1254 (AROCLOR-1254)	C
PCB-1260 (AROCLOR-1260)	C
TOXAPHENE	C

----- SEMI-VOLATILES -----

EPA 610

ACENAPHTHENE	C
ACENAPHTHYLENE	C
ANTHRACENE	C
BENZO(A)ANTHRACENE	C
BENZO(A)PYRENE	C
BENZO(B)FLUORANTHENE	C
BENZO(G,H,I)PERYLENE	C
BENZO(K)FLUORANTHENE	C
CHRYSENE	C
DIBENZO(A,H)ANTHRACENE	C
FLUORANTHENE	C
FLUORENE	C

Certificate Number: 98016002

Date of Issue:

Evaluator: SMITHCF

Evaluation Date: 02/12/2008

Laboratory Director: DANA B TILL

Expiration Date: 12/31/2008

CLEAN WATER ACT

----- SEMI-VOLATILES -----

EPA 610

INDENO(1,2,3-CD)PYRENE	C
NAPHTHALENE	C
PHENANTHRENE	C
PYRENE	C

EPA 625

1,2,4-TRICHLOROBENZENE	C
2,4,6-TRICHLOROPHENOL	C
2,4-DICHLOROPHENOL	C
2,4-DIMETHYLPHENOL	C
2,4-DINITROPHENOL	C
2,4-DINITROTOLUENE (2,4-DNT)	C
2,6-DINITROTOLUENE (2,6-DNT)	C
2-CHLORONAPHTHALENE	C
2-CHLOROPHENOL	C
2-METHYL-4,6-DINITROPHENOL	C
2-METHYLPHENOL	C
2-NITROPHENOL	C
3,3-DICHLOROBENZIDINE	C
4-BROMOPHENYLPHENYL ETHER	C
4-CHLORO-3-METHYLPHENOL	C
4-CHLOROPHENYL PHENYL ETHER	C
4-METHYLPHENOL	C
4-NITROPHENOL	C
ACENAPHTHENE	C
ACENAPHTHYLENE	C
ACETOPHENONE	C
ANTHRACENE	C
BENZIDINE	C
BENZO(A)ANTHRACENE	C
BENZO(A)PYRENE	C
BENZO(B)FLUORANTHENE	C
BENZO(G,H,I)PERYLENE	C
BENZO(K)FLUORANTHENE	C
BENZYL BUTYL PHTHALATE	C
BIS(2-CHLOROETHOXY)METHANE	C
BIS(2-CHLOROETHYL)ETHER	C
BIS(2-CHLOROISOPROPYL)ETHER	C
BIS(2-ETHYLHEXYL)PHTHALATE	C
CHLORDANE	C
CHRYSENE	C
DI-N-BUTYL PHTHALATE	C

Certificate Number: 98016002

Date of Issue:

Evaluator: SMITHCF

Evaluation Date: 02/12/2008

Laboratory Director: DANA B TILL

Expiration Date: 12/31/2008

CLEAN WATER ACT

----- SEMI-VOLATILES -----

EPA 625

DI-N-OCTYL PHTHALATE	C
DIBENZO(A,H)ANTHRACENE	C
DIETHYL PHTHALATE	C
DIMETHYL PHTHALATE	C
FLUORANTHENE	C
FLUORENE	C
HEXACHLOROBENZENE	C
HEXACHLOROBUTADIENE	C
HEXACHLOROCYCLOPENTADIENE	C
HEXACHLOROETHANE	C
INDENO(1,2,3-CD)PYRENE	C
ISOPHORONE	C
N-NITROSODI-N-PROPYLAMINE	C
N-NITROSODIMETHYLAMINE	C
N-NITROSODIPHENYLAMINE	C
NAPHTHALENE	C
NITROBENZENE (NB)	C
PENTACHLOROPHENOL	C
PHENANTHRENE	C
PHENOL	C
PYRENE	C

----- VOLATILES (VOCs) -----

EPA 624

1,1,1-TRICHLOROETHANE	C
1,1,2,2-TETRACHLOROETHANE	C
1,1,2-TRICHLOROETHANE	C
1,1-DICHLOROETHANE	C
1,1-DICHLOROETHENE	C
1,2-DICHLOROBENZENE	C
1,2-DICHLOROETHANE	C
1,2-DICHLOROPROPANE	C
1,3-DICHLOROBENZENE	C
1,4-DICHLOROBENZENE	C
2-CHLOROETHYL VINYL ETHER	C
BENZENE	C
BROMODICHLOROMETHANE	C
BROMOFORM	C
BROMOMETHANE	C
CARBON TETRACHLORIDE	C
CHLOROBENZENE	C

AES INC

Certifying Authority: NC

FY: 1995

Status: C

Certificate Number: 98016002

Date of Issue:

Evaluator: SMITHCF

Evaluation Date: 02/12/2008

Laboratory Director: DANA B TILL

Expiration Date: 12/31/2008

CLEAN WATER ACT

----- VOLATILES (VOCS) -----

EPA 624

CHLORODIBROMOMETHANE	C
CHLOROETHANE	C
CHLOROFORM	C
CHLOROMETHANE	C
CIS-1,3-DICHLOROPROPENE	C
DICHLORODIFLUOROMETHANE	C
ETHYLBENZENE	C
METHYLENE CHLORIDE	C
TETRACHLOROETHENE	C
TOLUENE	C
TRANS-1,2-DICHLOROETHENE	C
TRANS-1,3-DICHLOROPROPENE	C
TRICHLOROETHENE	C
TRICHLOROFLUOROMETHANE	C
VINYL CHLORIDE	C
XYLENE, TOTAL	C

Attachment 5

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Main Menu for SMITHCF @ EFIS (Forms6) (Client)

Check Alerts

Companies

People

Permits

Reports

Incidents

Referrals

Map

Disconnect

Exit

Record: 1/1 <ESC> <DBG>

Digitized by South Carolina State Library

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Permit Entry/Update for AES INC

Permit Owner: AES INC D Created: By: []
 Permit Type: LAB-Laboratory Certification D Updated: By: []
 Sub-Type: Commercial D
 Program Area: LAB - Permitting - Laboratory Certification D Permit Description: Cert Auth: NC: CWA E
 Permit ID: 98016002
 Local Facility: D Proj. Name / ID: D
 Operator: D Eng. Firm: D
 Permit Status: Certified D Status Date: JAN 27, 2009 Active/Operating

Application Type: LABCERT RENEWAL Received By: NEFF, VERONICA K D Received Date: DEC 22, 2008
 App. Track. No.: 850851 App. Date: DEC 22, 2008
 App. Disposition: Completed D Disp. Date: JAN 26, 2009
 App. Signed By: D
 Decision: Approved D Decision Date: JAN 26, 2009
 Issued By: D Issued Date: JAN 26, 2009
 Effective Date: JAN 26, 2009 Expires Date: DEC 31, 2009
 Permit Number: Accepted Date: []
 App. Description: Certification Renewal E

Reviews: LEP

Details Site Info. Other ID's Relations Tasks History Notes Documents Other Owners Invoices Date Events
 Referrals Violations Enf. Actions Incidents Legal Print Screen Revisions Emiss. Inv. Mon. Rpts Reset Perm.ID Name Util.

Enter an application type
 Record: 1/7 List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Reviews for AES INC; Permit No. 98016002

Review Type	Status	Start(ed)	Due	Completed	Assigned To / Reviewed By
ADMINISTRATIVE	Complete	DEC 22, 2008	JAN 04, 2009	JAN 04, 2009	BUTTS, SUSAN
TECHNICAL	Complete	JAN 04, 2009	APR 20, 2009	JAN 26, 2009	BUTTS, SUSAN

Remarks: [] E

Updated: JAN 16, 2009 By: BUTTS, SUSAN

Clock Status: []
 Status Date: JAN 04, 2009
 Clock Started Date: DEC 22, 2008 Clock Restart Date: []
 Comments: [] E

Max. Days Allowed: 14
 Total Elapsed Days: []
 Days Clock Active: []
 Days Clock Stopped: []
 Remaining Days: []

Checklist Tasks History Updated: JAN 16, 2009 By: BUTTS, SUSAN

Record: 1/2 List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Out of State Admin Review for 98016002 - AES INC

☒ Certificate and Analyte List?
 Date of Last On-Site Evaluation Report by Certifying Authority: OCT 02, 2006
☒ Report Submitted?
☒ Response to report submitted?
☒ QA Plan Submitted?
 QA Plan Revision Date: FEB 25, 2008
☒ Current Personnel List?

Act	Category	Parameter/ Analytical Method	Method/ SPM	Cert?	AM SOP?	Revision Date	Method/SPM SOP?	Revision Date	Def?
CLEAN WA1	INORGANIC - DEM	OXYGEN DEMAND (BOD)	SM 5210B (20TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - DEM	CHEMICAL OXYGEN DEM.	EPA 410.4 (1993)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - DEM	TOTAL ORGANIC CARBO	SM 5310B (20TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	ALKALINITY	EPA 310.2 (1974)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	ALKALINITY	SM 2320B (20TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	CHLORIDE	EPA 300.0 (1993)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	CHLORIDE	SM 4500CL-E (20TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	FLUORIDE	EPA 300.0 (1993)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	HARDNESS, TOTAL (AS C	SM 2340B (18TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	FEB 04, 2001	<input type="checkbox"/>

Comments

Print

Record: 1/73 <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Out of State Admin Review for 98016002 - AES INC

☒ Certificate and Analyte List?
 Date of Last On-Site Evaluation Report by Certifying Authority: OCT 02, 2006
☒ Report Submitted?
☒ Response to report submitted?
☒ QA Plan Submitted?
 QA Plan Revision Date: FEB 25, 2008
☒ Current Personnel List?

Act	Category	Parameter/ Analytical Method	Method/ SPM	Cert?	AM SOP?	Revision Date	Method/SPM SOP?	Revision Date	Def?
CLEAN WA1	INORGANIC - TRA	THALLIUM	EPA 200.8 (1994)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JAN 01, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	VANADIUM	EPA 200.7 (1994)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JAN 19, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	VANADIUM	EPA 200.8 (1994)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JAN 01, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	ZINC	EPA 200.7 (1994)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JAN 19, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	ZINC	EPA 200.8 (1994)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	JAN 01, 2007	<input type="checkbox"/>
CLEAN WA1	PCBS AND PESTI	EPA 608	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SEP 01, 2008	<input checked="" type="checkbox"/>	SEP 01, 2008	<input type="checkbox"/>
CLEAN WA1	SEMI-VOLATILES	EPA 610	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	JUL 01, 2008	<input checked="" type="checkbox"/>	JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	SEMI-VOLATILES	EPA 625	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	JAN 19, 2005	<input checked="" type="checkbox"/>	JAN 19, 2005	<input type="checkbox"/>
CLEAN WA1	VOLATILES (VOC)	EPA 624	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	OCT 01, 2008	<input checked="" type="checkbox"/>	OCT 01, 2008	<input type="checkbox"/>

Comments

Print

Analytes

Record: 70/73 <OSC> <DBG>

[illegible]

LCO: BUTTS, SUSAN
 Lab ID# 98016
 Certificate #: 98016002
 Certifying Authority: North Carolina
 Laboratory Name AES INC

Certificate and Analyte List? Y

Date of Last On-Site Evaluation Report by Certifying Authority: Oct 02, 2006

Report Submitted? Y

Response to Report Received? Y

QA Plan Submitted? Y

QA Plan Revision Date: Feb 25, 2008

Current Personnel List? Y

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	INORGANIC - DEMAND	BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - DEMAND	CHEMICAL OXYGEN DEMAND (COD)	EPA 410.4 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - DEMAND	TOTAL ORGANIC CARBON (TOC)	SM 5310B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	EPA 310.2 (1974)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	SM 2320B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	SM 4500CL-E (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	FLUORIDE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	HARDNESS, TOTAL (AS CaCO ₃)	SM 2340B (18TH)		Y	Y Feb 04, 2001
CLEAN WATER ACT	INORGANIC - MINERAL	HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	SPECIFIC CONDUCTANCE	EPA 120.1 (1982)		Y	Y Jul 01, 2005
CLEAN WATER ACT	INORGANIC - MINERAL	SULFATE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	CYANIDE	SM 4500CNC,E (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	OIL & GREASE	EPA 1664A		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	PHENOLICS, TOTAL RECOVERABLE	EPA 420.1 (1978)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	RESIDUAL CHLORINE	SM 4500CLG (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	SULFIDE	SM 4500S2F (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	TURBIDITY	EPA 180.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	AMMONIA-NITROGEN	EPA 350.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	KJELDAHL-NITROGEN	EPA 351.2 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (N02&N03)	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (N02&N03)	EPA 353.2 (1993)		Y	Y Mar 29, 2006
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITROGEN	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRITE-NITROGEN	EPA 300.0 (1993)		Y	Y Jul 01, 2008

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 365.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	PHOSPHORUS	EPA 365.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, NONFILTERABLE (TSS)	SM 2540D (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, SETTLEABLE (SS)	SM 2540F (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, TOTAL (TS)	SM 2540B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	SOLIDS, TOTAL DISSOLVED (TDS)	SM 2540C (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	BARIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CALCIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	IRON	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MAGNESIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MERCURY	EPA 245.1 (1994)		Y	Y Aug 01, 2003
CLEAN WATER ACT	INORGANIC - TRACE METAL	MOLYBDENUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.8 (1994)		Y	Y Jan 01, 2007

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA		Y	SPM: Y Sep 01, 2008 AM: Y Sep 01, 2008
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	4,4'-DDD	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	4,4'-DDE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	4,4'-DDT	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ALDRIN	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ALPHA-BHC	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	BETA-BHC	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	CHLORDANE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	DELTA-BHC	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	DIELDRIN	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDOSULFAN I	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDOSULFAN II	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDOSULFAN SULFATE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDRIN	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDRIN ALDEHYDE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	GAMMA-BHC (LINDANE)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	HEPTACHLOR	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	HEPTACHLOR EPOXIDE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	METHOXYCHLOR	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1016 (AROCOLOR-1016)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1221 (AROCOLOR-1221)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1232 (AROCOLOR-1232)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1242 (AROCOLOR-1242)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1248 (AROCOLOR-1248)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1254 (AROCOLOR-1254)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1260 (AROCOLOR-1260)	Y	

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP?	Revision Date
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	TOXAPHENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA		Y	SPM: Y	Jul 01, 2008
						AM: Y	Jul 01, 2008
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	ACENAPHTHENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	ACENAPHTHYLENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	ANTHRACENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(A)ANTHRACENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(A)PYRENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(B)FLUORANTHENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(G,H,I)PERYLENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(K)FLUORANTHENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	CHRYSENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	DIBENZO(A,H)ANTHRACENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	FLUORANTHENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	FLUORENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	INDENO(1,2,3-CD)PYRENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	NAPHTHALENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	PHENANTHRENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	PYRENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA		Y	SPM: Y	Jan 19, 2005
						AM: Y	Jan 19, 2005
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	1,2,4-TRICHLOROBENZENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4,6-TRICHLOROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DICHLOROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DIMETHYLPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DINITROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DINITROTOLUENE (2,4-DNT	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,6-DINITROTOLUENE (2,6-DNT	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-CHLORONAPHTHALENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-CHLOROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-METHYL-4,6-DINITROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-METHYLPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-NITROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	3,3-DICHLOROBENZIDINE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-BROMOPHENYLPHENYL ETHER	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-CHLORO-3-METHYLPHENOL	Y		

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-CHLOROPHENYL PHENYL ETHER	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-METHYLPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-NITROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ACENAPHTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ACENAPHTHYLENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ACETOPHENONE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZIDINE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(A)ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(A)PYRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(B)FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(G,H,I)PERYLENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(K)FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZYL BUTYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2- CHLOROETHOXY)METHANE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2-CHLOROETHYL)ETHER	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2- CHLOROISOPROPYL)ETHER	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2- ETHYLHEXYL)PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	CHLORDANE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	CHRYSENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DI-N-BUTYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DI-N-OCTYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DIBENZO(A,H)ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DIETHYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DIMETHYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	FLUORENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROBENZENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROBUTADIENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROCYCLOPENTADI NE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROETHANE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	INDENO(1,2,3-CD)PYRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ISOPHORONE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	N-NITROSODI-N-PROPYLAMINI	Y	

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP?	Revision Date
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	N-NITROSODIMETHYLAMINE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	N-NITROSODIPHENYLAMINE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	NAPHTHALENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	NITROBENZENE (NB)	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PENTACHLOROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PHENANTHRENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PYRENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA		Y	SPM: Y	Oct 01, 2008
						AM: Y	Oct 01, 2008
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1,1-TRICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1,2,2-TETRACHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1,2-TRICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1-DICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1-DICHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,2-DICHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,2-DICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,2-DICHLOROPROPANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,3-DICHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,4-DICHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	2-CHLOROETHYL VINYL ETHER	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BROMODICHLOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BROMOFORM	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BROMOMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CARBON TETRACHLORIDE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLORODIBROMOMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROFORM	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CIS-1,3-DICHLOROPROPENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	DICHLORODIFLUOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	ETHYLBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	METHYLENE CHLORIDE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TETRACHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TOLUENE	Y		

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP?	Revision Date
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRANS-1,2-DICHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRANS-1,3-DICHLOROPROPEN	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRICHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRICHLOROFLUOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	VINYL CHLORIDE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	XYLENE, TOTAL	Y		

LCO: BUTTS, SUSAN
Lab ID# 98016
Certificate #: 98016002
Certifying Authority: North Carolina
Laboratory Name AES INC

Technical Deficiency Letter: Date Sent: JAN 06, 2009

Response Received: JAN 23, 2009

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	Sep 01, 2008	Sep 01, 2008	Jan 06, 2009	BUTTS, SUSAN
Deficiencies: The EPA Method 608 SOP does not specify how the spiking solutions for the surrogates, pesticides, and PCBs are prepared. The matrix spiking solution included in the list of standards only includes 6 pesticides. Please specify the spiking solutions being used including the stock standards and the preparation of the working standards and submit the revised SOP for review.							
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	Jul 01, 2008	Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	Jan 19, 2005	Jan 19, 2005	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	Oct 01, 2008	Oct 01, 2008	Jan 06, 2009	BUTTS, SUSAN

**Lab Administrative Review Complete Letter – Renewal Out-of-State
(LABOSADMCOMPLETE)**

<date>

<director>

<name>

<address>

Re: Laboratory Certification Renewal
 Laboratory ID# <labid>
 Certificate # <permitid>
 Certifying Authority <certauth>

Dear <director_2>:

The administrative review of the renewal documentation submitted by your laboratory for the above certificate has been completed. Even though a new certificate has not been issued, your laboratory is still considered certified, pending the technical review of the Standard Operating Procedures, Quality Assurance Manual, and the on-site evaluation report. Upon completion of the technical review, you will be notified of any required corrective actions. This letter can be used as verification of your continued certification in South Carolina for the above certificate. Questions concerning your certification status can be addressed by contacting me at <phone> or by e-mail at <email>.

Sincerely,

<lco>

Office of Environmental Laboratory Certification
Bureau of Environmental Services

cc: Carol F. Smith, Director
 Office of Environmental Laboratory Certification

Attachment 6

**Lab Administrative Review Deficiency Letter – Renewal Out-of-State
(LABDEFRENEWALADM)**

<date>

<director>
<name>
<address>

Re: South Carolina Certification Renewal
Laboratory ID# <labid>
Certificate # <permitid>

Dear <director_2>:

The administrative review of the renewal information submitted by your laboratory for certification renewal in South Carolina has been completed. The following item requires a response by the laboratory: <item>

<act>

<defs>

Before certification renewal in South Carolina can be considered, it is necessary that a complete renewal package be submitted. Upon receipt of the requested information and its review, the next step(s) in the certification renewal process will be initiated.

If you have any questions, please contact me at <phone> or by email at <email>.

Sincerely,

<ico>
Office of Environmental Laboratory Certification
Bureau of Environmental Services

cc: Carol F. Smith, Director
Office of Environmental Laboratory Certification

Attachment 7

[illegible]

Digitized by South Carolina State Library

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Out of State Tech Review for 98016002 - AES INC

Technical Deficiency Letter Date Sent: JAN 06, 2009 Response Received: JAN 23, 2009

Act	Category	Parameter/ Analytical Method	Method/ SPM	AM SOP Revision Date	Method/SPM SOP Revision Date	Date SOP Review Completed	LCO Completing Review	Def?
CLEAN WA	INORGANIC - TR	ALUMINIUM	EPA 200.7 (1994)		JAN 19, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	ALUMINIUM	EPA 200.8 (1994)		JAN 01, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	ANTIMONY	EPA 200.7 (1994)		JAN 19, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	ANTIMONY	EPA 200.8 (1994)		JAN 01, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	ARSENIC	EPA 200.7 (1994)		JAN 19, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	ARSENIC	EPA 200.8 (1994)		JAN 01, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	BARIUM	EPA 200.8 (1994)		JAN 01, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	BERYLLIUM	EPA 200.7 (1994)		JAN 19, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	BERYLLIUM	EPA 200.8 (1994)		JAN 01, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	CADMIUM	EPA 200.7 (1994)		JAN 19, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	CADMIUM	EPA 200.8 (1994)		JAN 01, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	CALCIUM	EPA 200.7 (1994)		JAN 19, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	CHROMIUM	EPA 200.7 (1994)		JAN 19, 2007	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - TR	CHROMIUM	EPA 200.8 (1994)		JAN 01, 2007	JAN 06, 2009	BUTTS, SU	

Deficiency

Comments

Print

Record: 1/2 <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Out of State Tech Review for 98016002 - AES INC

Technical Deficiency Letter Date Sent: JAN 06, 2009 Response Received: JAN 23, 2009

Act	Category	Parameter/ Analytical Method	Method/ SPM	AM SOP Revision Date	Method/SPM SOP Revision Date	Date SOP Review Completed	LCO Completing Review	Def?
CLEAN WA	PCBS AND PEST	EPA 608	NA	SEP 01, 2008	SEP 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	SEMI-VOLATILES	EPA 610	NA	JUL 01, 2008	JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	SEMI-VOLATILES	EPA 625	NA	JAN 19, 2005	JAN 19, 2005	JAN 06, 2009	BUTTS, SU	
CLEAN WA	VOLATILES (VOC)	EPA 624	NA	OCT 01, 2008	OCT 01, 2008	JAN 06, 2009	BUTTS, SU	

Deficiency The EPA Method 608 SOP does not specify how the spiking solutions for the surrogates, pesticides, and PCBs at

Comments

Print

Record: 1/4 <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Task for Permit ID 98016002

Tasks: ☒ All ☐ Completed ☐ Incomplete ☐ Pending ☐ Past Due ☐ Export Data to Report / File

Assigned To: ☒ Anyone ☐ Me ☐ My Dept. ☐ Other User ☐ Other Dept.

Group	Type	Description	Status	Start/Recd Date	Due Date	Complete Date	Results
LABCERT REVIEW	TECHNICAL	Technical Deficiency	COMPLETED	JAN 06, 2009		JAN 23, 2009	COMPLETE
LABCERT REVIEW	INORGANIC	Inorganic Review	COMPLETE	JAN 04, 2009		JAN 06, 2009	COMPLETE
LABCERT REVIEW	TRACE MET	Trace Metals Review	COMPLETED	JAN 04, 2009		JAN 06, 2009	COMPLETE
LABCERT REVIEW	TECHREVIE	Out of State Tech Re	COMPLETE	JAN 04, 2009		JAN 26, 2009	COMPLETE
LABCERT REVIEW	ORGANIC R	Organic Review	COMPLETED	JAN 04, 2009		JAN 26, 2009	COMPLETE

Permit ID: 98016002 D UST Fac. ID: D Person Assigned: BUTTS, SUSAN D

Person / Co.: AES INC D Dept. Assigned: DHEC

Proj. Name / ID: D Completed By: D

Air Source Cat.: E

Description: E

Created: JAN 16, 2009 By: BUTTS, SUSAN Updated: JAN 26, 2009 By: BUTTS, SUSAN

☐ Checklist ☐ History ☐ Referrals ☐ Relations ☐ Include Date Range in Query ☐ Batch Document Printing ☐ Make All Documents Public

Record: 1/5 List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Document Entry/Update

Create New Print Document

Document Name: Version: Document Description: Status: Comments: Secure: ☐ FOI Request

Previously Created Documents

Document Name	Version	Draft	FOI	Created	Printed	Status
LABDEFRENEWALTECH	1	1	N	JAN 16, 2009	JAN 16, 2009	Final Draft

Comments:

Print/Reprint: View: Create Document Link: Copy Document: Secure:

Record: 1/1 <OSC> <DBG>

LCO: BUTTS, SUSAN

Lab ID#: 98016

Certificate #: 98016002

Certifying Authority: North Carolina

Laboratory Name: AES INC

Technical Deficiency Letter: Date Sent: JAN 06, 2009

Response Received: JAN 23, 2009

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	INORGANIC - DEMAND	BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - DEMAND	CHEMICAL OXYGEN DEMAND (COD)	EPA 410.4 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - DEMAND	TOTAL ORGANIC CARBON (TOC)	SM 5310B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	EPA 310.2 (1974)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	SM 2320B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	SM 4500CL-E (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	FLUORIDE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	HARDNESS, TOTAL (AS CaCO3)	SM 2340B (18TH)		Feb 04, 2001	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	SPECIFIC CONDUCTANCE	EPA 120.1 (1982)		Jul 01, 2005	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	SULFATE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	CYANIDE	SM 4500CNC,E (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	OIL & GREASE	EPA 1664A		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	PHENOLICS, TOTAL RECOVERABLE	EPA 420.1 (1978)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	RESIDUAL CHLORINE	SM 4500CLG (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	SULFIDE	SM 4500S2F (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	TURBIDITY	EPA 180.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	AMMONIA-NITROGEN	EPA 350.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	KJELDAHL-NITROGEN	EPA 351.2 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (N02&N03)	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (N02&N03)	EPA 353.2 (1993)		Mar 29, 2006	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITROGEN	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRITE-NITROGEN	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 365.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	PHOSPHORUS	EPA 365.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, NONFILTERABLE (TSS)	SM 2540D (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, SETTLEABLE (SS)	SM 2540F (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, TOTAL (TS)	SM 2540B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - RESIDUE	SOLIDS, TOTAL DISSOLVED (TDS)	SM 2540C (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	BARIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CALCIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	IRON	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MAGNESIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MERCURY	EPA 245.1 (1994)		Aug 01, 2003	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MOLYBDENUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	Sep 01, 2008	Sep 01, 2008	Jan 06, 2009	BUTTS, SUSAN
Deficiencies: The EPA Method 608 SOP does not specify how the spiking solutions for the surrogates, pesticides, and PCBs are prepared. The matrix spiking solution included in the list of standards only includes 6 pesticides. Please specify the spiking solutions being used including the stock standards and the preparation of the working standards and submit the revised SOP for review.							
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	Jul 01, 2008	Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	Jan 19, 2005	Jan 19, 2005	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	Oct 01, 2008	Oct 01, 2008	Jan 06, 2009	BUTTS, SUSAN

Attachment 8

**Lab Technical Review Deficiency Letter – Renewal Out-of-State
(LABDEFRENEWALTECH)**

<date>

<director>

<name>

<address>

Re: Laboratory Certification Renewal
 Laboratory ID# <labid>
 Certificate # <permitid>

Dear <director_2>:

The technical review of the information submitted by your laboratory for certification renewal in South Carolina has been completed. The following issues must be addressed and corrected in order to renew your laboratory's certification:

<act>

 <defs>

Please submit the requested information no later than <duedate>. Should you have any questions, please contact me at <phone> or by e-mail at <email>.

Sincerely,

<lco>

Office of Environmental Laboratory Certification
Bureau of Environmental Services

cc: Carol F. Smith, Director
 Office of Environmental Laboratory Certification



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

January 06, 2009

DANA B TILL
AES INC
3785 PRESIDENTIAL PKWY
ATLANTA, GEORGIA 30340

Re: Laboratory Certification Renewal
Laboratory ID# 98016
Certificate # 98016002

Dear Dana B Till:

The technical review of the information submitted by your laboratory for certification renewal in South Carolina has been completed. The following issues must be addressed and corrected in order to renew your laboratory's certification:

CLEAN WATER ACT

ANALYTICAL METHOD: EPA 608 - The SOP does not specify how the spiking solutions for the surrogates, pesticides, and PCBs are prepared. The matrix spiking solution included in the list of standards only includes 6 pesticides. Please specify the spiking solutions being used including the stock standards and the preparation of the working standards and submit the revised SOP for review.

Please submit the requested information no later than January 31, 2009. Should you have any questions, please contact me at 803-896-0978 or by e-mail at buttsse@dhec.sc.gov.

Sincerely,

Susan Butts
Office of Environmental Laboratory Certification
Bureau of Environmental Services

cc: Carol F. Smith, Director
Office of Environmental Laboratory Certification

Douglas Mendrala, Quality Assurance Manager
AES, Inc.

Attachment 9

EFIS - Environmental Facility Information System			
File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window			
Permit Entry/Update for AES INC			
<div> <div> </div> </div>			
Permit Owner	AES INC	D	Created By
Permit Type	LAB-Laboratory Certification		Updated By
Sub-Type	Commercial		
Program Area	LAB - Permitting - Laboratory Certification		Permit Description
Permit ID	98016002		Cert Auth: NC; CWA
Local Facility		D	Proj. Name / ID
Operator		D	Eng. Firm
Permit Status	Certified		Status Date
			JAN 27, 2009 Active/Operating
Application Type <div> <div>LABCERT RENEWAL</div> <div>LABCERT MODIFICATIONS</div> <div>LABCERT MODIFICATIONS</div> <div>LABCERT MODIFICATIONS</div> <div>ADDITIONAL PARM CERTIFICATIO</div> <div>LABCERT MODIFICATIONS</div> </div>		Received By	NEFF, VERONICA K
Reviews		App. Track. No.	858851
LEP		App. Disposition	Completed
		App. Signed By	
		Decision	Approved
		Issued By	
		Effective Date	JAN 26, 2009
		Permit Number	
		App. Description	Certification Renewal
		Received Date	DEC 22, 2008
		App. Date	DEC 22, 2008
		Disp. Date	JAN 26, 2009
		Decision Date	JAN 26, 2009
		Issued Date	JAN 26, 2009
		Expires Date	DEC 31, 2009
		Accepted Date	
<div> <div>Details</div> <div>Site Info</div> <div>Other ID's</div> <div>Relations</div> <div>Tasks</div> <div>History</div> <div>Notes</div> <div>Documents</div> <div>Other Owners</div> <div>Invoices</div> <div>Date Events</div> </div> <div> <div>Referrals</div> <div>Violations</div> <div>Enf. Actions</div> <div>Incidents</div> <div>Legal</div> <div>Print Screen</div> <div>Revisions</div> <div>Mon. Rpts</div> <div>Reset Perm.ID</div> <div>Name Util.</div> </div>			
Enter an application type Record: 1/? List of Values <OSC> <DBG>			

Certification Modification and/or Renewal Request

Date Submitted by LCO _____ Renewal or Modification (Circle One) LCO _____

Laboratory Name _____

Laboratory ID# _____ Evaluation Date _____ EPA Lab Code _____

Certificate # _____ Cert. Auth. _____ Expiration Date _____

Certificate # _____ Cert. Auth. _____ Expiration Date _____

Certificate # _____ Cert. Auth. _____ Expiration Date _____

Laboratory Director Change: Attach Laboratory Director Designation Letter

Phone # and E-mail Address _____

Contact Person _____

Phone # and E-mail Address _____

Lab Mailing Address (Change) _____

City _____ State _____ Zip Code _____

Physical Address (Change) _____

City _____ State _____ Zip Code _____

Billing Address (Change) _____

City _____ State _____ Zip Code _____

Telephone # _____ FAX # _____

ATTACH METHOD NUMBER CHANGES OR INDICATE THE CHANGES BELOW

PARAMETERS TO BE DECERTIFIED (INCLUDE DATE AND REASON WHY ACTION TAKEN)

DATE: _____

<u>Parameter(s)</u>	<u>Act</u>	<u>Category</u>	<u>Method</u>	<u>Reason</u>
---------------------	------------	-----------------	---------------	---------------

Date Processed _____ Certificate Printed _____

My computer/departments/labcert/docs/forms/certification modification



South Carolina Department of Health and Environmental Control

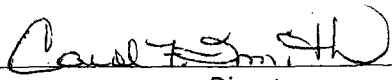
Environmental Laboratory Certification Program

In accordance with the provisions of Regulation 61 - 81, entitled
"State Environmental Laboratory Certification Regulation,"

AES INC
3785 PRESIDENTIAL PKWY
ATLANTA, GEORGIA 30340

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

Laboratory Director: DANA B TILL
Certifying Authority: NC
Date of Issue: January 26, 2009
Date of Expiration: December 31, 2009
Certificate Number: 98016002



Director
Office of Environmental Laboratory Certification

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

4ES INC (Laboratory ID 98016)
Laboratory Director: DANA B TILL
Certifying Authority: NC
Certificate Number: 98016002

Date of Issue: January 26, 2009
Expiration Date: December 31, 2009

CLEAN WATER ACT

INORGANIC - TRACE METAL

ALUMINUM	EPA 200.7 (1994)
ALUMINUM	EPA 200.8 (1994)
ANTIMONY	EPA 200.7 (1994)
ANTIMONY	EPA 200.8 (1994)
ARSENIC	EPA 200.7 (1994)
ARSENIC	EPA 200.8 (1994)
BARIUM	EPA 200.8 (1994)
BERYLLIUM	EPA 200.7 (1994)
BERYLLIUM	EPA 200.8 (1994)
CADMIUM	EPA 200.7 (1994)
CADMIUM	EPA 200.8 (1994)
CALCIUM	EPA 200.7 (1994)
CHROMIUM	EPA 200.7 (1994)
CHROMIUM	EPA 200.8 (1994)
COBALT	EPA 200.7 (1994)
COBALT	EPA 200.8 (1994)
COPPER	EPA 200.7 (1994)
COPPER	EPA 200.8 (1994)
IRON	EPA 200.7 (1994)
LEAD	EPA 200.7 (1994)
LEAD	EPA 200.8 (1994)
MAGNESIUM	EPA 200.7 (1994)
MANGANESE	EPA 200.7 (1994)
MANGANESE	EPA 200.8 (1994)
MERCURY	EPA 245.1 (1994)
MOLYBDENUM	EPA 200.8 (1994)
NICKEL	EPA 200.7 (1994)
NICKEL	EPA 200.8 (1994)
SELENIUM	EPA 200.7 (1994)
SELENIUM	EPA 200.8 (1994)
SILVER	EPA 200.7 (1994)
SILVER	EPA 200.8 (1994)
THALLIUM	EPA 200.7 (1994)
THALLIUM	EPA 200.8 (1994)
VANADIUM	EPA 200.7 (1994)
VANADIUM	EPA 200.8 (1994)
ZINC	EPA 200.7 (1994)
ZINC	EPA 200.8 (1994)

PCBS AND PESTICIDES

ORGANOCHLORINE PESTICIDES & PCBS - GC/E	EPA 608
---	---------

SEMI-VOLATILES

BASE/NEUTRALS AND ACIDS - GC/MS	EPA 625
---------------------------------	---------

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

AES INC (Laboratory ID 98016)
Certifying Authority: NC
Certificate Number: 98016002

Date of Issue: January 26, 2009
Expiration Date: December 31, 2009

CLEAN WATER ACT

-----PCBS AND PESTICIDES-----

EPA 608

4,4'-DDD
4,4'-DDE
4,4'-DDT
ALDRIN
ALPHA-BHC
BETA-BHC
CHLORDANE
DELTA-BHC
DIELDRLN
ENDOSULFAN I
ENDOSULFAN II
ENDOSULFAN SULFATE
ENDRLN
ENDRLN ALDEHYDE
GAMMA-BHC (LINDANE)
HEPTACHLOR
HEPTACHLOR EPOXIDE
METHOXYCHLOR
PCB-1016 (AROCLOR-1016)
PCB-1221 (AROCLOR-1221)
PCB-1232 (AROCLOR-1232)
PCB-1242 (AROCLOR-1242)
PCB-1248 (AROCLOR-1248)
PCB-1254 (AROCLOR-1254)
PCB-1260 (AROCLOR-1260)
TOXAPHENE

-----SEMI-VOLATILES-----

EPA 610

ACENAPHTHENE
ACENAPHTHYLENE
ANTHRACENE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE
CHRYSENE
DIBENZO(A,H)ANTHRACENE
FLUORANTHENE
FLUORENE
INDENO(1,2,3-CD)PYRENE

NAPHTHALENE
PHENANTHRENE
PYRENE

EPA 625

1,2,4-TRICHLOROENZENE
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)
2,6-DINITROTOLUENE (2,6-DNT)
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-METHYL-4,6-DINITROPHENOL
2-METHYLPHENOL
2-NITROPHENOL
3,3-DICHLOROENZIDINE
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROPHENOL
ACENAPHTHENE
ACENAPHTHYLENE
ACETOPHENONE
ANTHRACENE
BENZIDINE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE
BENZYL BUTYL PHTHALATE
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-CHLOROISOPROPYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
CHLORDANE
CHRYSENE
DI-N-BUTYL PHTHALATE
DI-N-OCTYL PHTHALATE
DIBENZO(A,H)ANTHRACENE
DIETHYL PHTHALATE
DIMETHYL PHTHALATE

EPA 610

EPA 625

EPA 624

FLUORANTHENE
FLUORENE
HEXACHLOROENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
HEXACHLOROETHANE
INDENO(1,2,3-CD)PYRENE
ISOPHORONE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
NAPHTHALENE
NITROENZENE (NB)
PENTACHLOROPHENOL
PHENANTHRENE
PHENOL
PYRENE

METHYLENE CHLORIDE
TETRACHLOROETHENE
TOLUENE
TRANS-1,2-DICHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
TRICHLOROETHENE
TRICHLOROFLUOROMETHANE
VINYL CHLORIDE
XYLENE, TOTAL

-----VOLATILES (VOCs)-----

EPA 624

1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROENZENE
1,2-DICHLOROETHANE
1,2-DICHLOROPROPANE
1,3-DICHLOROENZENE
1,4-DICHLOROENZENE
2-CHLOROETHYLVINYL ETHER
BENZENE
BROMODICHLOROMETHANE
BROMOFORM
BROMOMETHANE
CARBON TETRACHLORIDE
CHLOROENZENE
CHLORODIBROMOMETHANE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
DICHLORODIFLUOROMETHANE
ETHYLBENZENE

Appendix 3

Lab Review Categories

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Lab Review Categories

Task Type	Category
INORGANIC REVIEW	INORGANIC - MINERAL
INORGANIC REVIEW	INORGANIC - NUTRIENT
INORGANIC REVIEW	INORGANIC - DEMAND
INORGANIC REVIEW	INORGANIC - RESIDUE
INORGANIC REVIEW	INORGANIC - MISCELLANEOUS
INORGANIC REVIEW	INORGANIC - RADIOLOGICAL
INORGANIC REVIEW	INORGANIC - HAZARDOUS WASTE CHARACTERISTICS
INORGANIC REVIEW	INORGANIC - BIOLOGICAL EXAMINATIONS
INORGANIC REVIEW	DISINFECTION BY-PRODUCTS
ORGANIC REVIEW	TRIHALOMETHANES
ORGANIC REVIEW	VOLATILES (VOCs)
ORGANIC REVIEW	SYNTHETIC ORGANIC COMPOUNDS (SOCs)
ORGANIC REVIEW	PCBS AND PESTICIDES
ORGANIC REVIEW	HERBICIDES
ORGANIC REVIEW	SEMI-VOLATILES
ORGANIC REVIEW	DIOXINS AND FURANS
TOXICITY REVIEW	TOXICITY TESTING, PIMEPHALES PROMELAS
TOXICITY REVIEW	TOXICITY TESTING, DAPHNIA AMBIGUA
TOXICITY REVIEW	TOXICITY TESTING, CYPRINODON VARIEGATES
TOXICITY REVIEW	TOXICITY TESTING, MENIDIA BERYLLINA

Record: 20/26 List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System


File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Lab Review Categories

Task Type	Category
INORGANIC REVIEW	INORGANIC - HAZARDOUS WASTE CHARACTERISTICS
INORGANIC REVIEW	INORGANIC - BIOLOGICAL EXAMINATIONS
INORGANIC REVIEW	DISINFECTION BY-PRODUCTS
ORGANIC REVIEW	TRIHALOMETHANES
ORGANIC REVIEW	VOLATILES (VOCs)
ORGANIC REVIEW	SYNTHETIC ORGANIC COMPOUNDS (SOCs)
ORGANIC REVIEW	PCBS AND PESTICIDES
ORGANIC REVIEW	HERBICIDES
ORGANIC REVIEW	SEMI-VOLATILES
ORGANIC REVIEW	DIOXINS AND FURANS
TOXICITY REVIEW	TOXICITY TESTING, PIMEPHALES PROMELAS
TOXICITY REVIEW	TOXICITY TESTING, DAPHNIA AMBIGUA
TOXICITY REVIEW	TOXICITY TESTING, CYPRINODON VARIEGATES
TOXICITY REVIEW	TOXICITY TESTING, MENIDIA BERYLLINA
TOXICITY REVIEW	TOXICITY TESTING, CERIODAPHNIA DUBIA
TOXICITY REVIEW	TOXICITY TESTING, MYSIDOPSIS BAHIA
TOXICITY REVIEW	TOXICITY TESTING, S. CAPRICORNUTUM
TRACE METALS REVIEW	INORGANIC - TRACE METAL
TAXONOMY REVIEW	TAXONOMY
MICROBIOLOGY REVIEW	MICROBIOLOGY

Record: 20/26 List of Values <OSC> <DBG>

Tasks List for Administrative and Technical Reviews

Tasks List 

Find

Type	Description (EFIS TASK CNTLS tat
INORGANIC REVIEW	Inorganic Review
MICROBIOLOGY REVIEW	Microbiology Review
ORGANIC REVIEW	Organic Review
PROCESS APPLICATION FEE	Process Application Fee
TAXONOMY REVIEW	Taxonomy Review
TECHNICAL DEFICIENCY	Technical Deficiency
TECHREVIEWOS	Out of State Tech Review
TOXICITY REVIEW	Toxicity Review
TRACE METALS REVIEW	Trace Metals Review

Appendix 4

Lab Certification Time Frame Report with Tasks using Date Received

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Lab Cert Time Frame Report Using Date Received with Tasks

Date Received Range NOV 01, 2008 - JAN 30, 2009

Permit Category

Permit Type

App Type LABCERT RENEWAL

Permit Sub Type

Person Currently Assigned (format: last name, first name) D

Certification Types ☐ In-State ☒ Out-of-State ☐ All

☐ Use Stream Calc (allow extra elapsed day before time is exceeded)

☐ Only show items exceeding their time

Run

Record: 1/1 <OSC> <DBG>

Lab Certification Time Frame Report with Tasks using Date of Final Decision

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Lab Cert Time Frame Report Using Date of Final Decision with Tasks

Final Decision Date Range NOV 01, 2008 - JAN 30, 2009

Permit Category

Permit Type

App Type LABCERT RENEWAL

Permit Sub Type

Person Currently Assigned (format: last name, first name) D

Certification Types ☐ In-State ☒ Out-of-State ☐ All

Include Permit Applications Received

☐ Prior to July 1, 1995 ☒ After July 1, 1995

☐ Use Stream Calc (allow extra elapsed day before time is exceeded)

☐ Only show items exceeding their time

Run

Record: 1/1 <OSC> <DBG>

Laboratory Certification Time Frame Report Using Date Received

LABCERT Permits

Out-of-State Labs

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

Project Name	Permit No	Permit Id/ Reviewer	Permit/ Sub Type	App Type/ Review Type	Decision/ Status	Dt Recvd/ Start Dt	Decision Dt/ Completed	# Days Reqd	Hold Days	Elapsd Days	EQC Days	***Time Exceed
DUKE ENERGY CORPORATION	99046004	COCKEREL, BENNIE L COCKEREL, BENNIE L	LABCERT	LABCERT RENEWAL		11/19/08		104	74	74	74	
			INDUSTRIAL									
			ADMINISTRATIVE	INPROC	11/19/08		14	74	74	0		
				TECHNICAL	PENDING			90	0	0	0	
DUKE ENERGY CORPORATION	99046001	COCKEREL, BENNIE L COCKEREL, BENNIE L	LABCERT	LABCERT RENEWAL	APPROVED	11/19/08	01/02/09	104	44	46	1	
			INDUSTRIAL									
			ADMINISTRATIVE	COMPLETE	11/19/08	01/02/09	14	44	45	1		
				TECHNICAL	COMPLETE	01/02/09	01/02/09	90	0	1	0	
GEOSYNTEC CORPORATION	98022001	COCKEREL, BENNIE L COCKEREL, BENNIE L	LABCERT	LABCERT RENEWAL	APPROVED	11/25/08	01/15/09	104	51	53	2	
			COMMERCIAL									
			ADMINISTRATIVE	COMPLETE	11/25/08	01/15/09	14	51	52	1		
				TECHNICAL	COMPLETE	01/15/09	01/15/09	90	0	1	1	
			Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs		
			Taxonomy Review	C	Bennie L Cockerel	01/15/2009	01/15/2009	1	3	1		
PACE ANALYTICAL ASHEVILLE	99030002	COCKEREL, BENNIE L COCKEREL, BENNIE L	LABCERT	LABCERT RENEWAL	APPROVED	12/01/08	01/28/09	104	0	60	60	
			COMMERCIAL									
			ADMINISTRATIVE	COMPLETE	12/01/08	12/11/08	14	0	11	11		
				TECHNICAL	COMPLETE	12/11/08	01/28/09	90	0	49	49	
			Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs		
			Inorganic Review	COMPLETE	Bennie L Cockerel	12/11/2008	01/28/2009	49	2	2		
			Toxicity Review	COMPLETE	Bennie L Cockerel	12/11/2008	01/28/2009	49	2	2		
PENNINGTON & ASSOCIATES INC	84010001	COCKEREL, BENNIE L COCKEREL, BENNIE L	LABCERT	LABCERT RENEWAL	APPROVED	12/01/08	12/16/08	104	0	17	11	
			COMMERCIAL									
			ADMINISTRATIVE	COMPLETE	12/01/08	12/11/08	14	0	11	11		
				TECHNICAL	COMPLETE	12/11/08	12/16/08	90	0	6	0	
			Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs		
			Taxonomy Review	C	Bennie L Cockerel	12/11/2008	12/16/2008	0	7	1		
PRECISION PETROLEUM LABS INC	82015001	BERRY, JAMES C BERRY, JAMES C	LABCERT	LABCERT RENEWAL	APPROVED	12/01/08	01/14/09	104	22	46	24	
			COMMERCIAL									
			ADMINISTRATIVE	COMPLETE	12/01/08	12/10/08	14	7	10	3		
				TECHNICAL	COMPLETE	12/10/08	01/14/09	90	15	36	21	
			Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs		
			Inorganic Review	COMPLETE	James C Berry	12/10/2008	01/08/2009	21	2	2		
			Trace Metals Review	C	James C Berry	12/10/2008	01/14/2009	21	8	1		

Laboratory Certification Time Frame Report Using Date Received

LABCERT Permits

Out-of-State Labs

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

<u>Project Name</u>	<u>Permit No</u>	<u>Permit Id/ Reviewer</u>	<u>Permit/ Sub Type</u>	<u>App Type/ Review Type</u>	<u>Decision/ Status</u>	<u>Dt Recvd/ Start Dt</u>	<u>Decision Dt/ Completed</u>	<u># Days Regd</u>	<u>Hold Days</u>	<u>Elapsd Days</u>	<u>EQC Days</u>	<u>***Time Exceed</u>
PROGRESS ENERGY CAROLINAS INC	99017001	LABCERT	COMMERCIAL	LABCERT RENEWAL	APPROVED	12/18/08	12/31/08	104	0	15	14	
				ADMINISTRATIVE	COMPLETE	12/18/08	12/31/08	14	0	14	14	
				TECHNICAL	COMPLETE	12/31/08	12/31/08	90	0	1	0	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Taxonomy Review	C	Bennie L Cockerel	12/31/2008	12/31/2008	0	4	1	
AES INC	98016002	LABCERT	COMMERCIAL	LABCERT RENEWAL	APPROVED	12/22/08	01/26/09	104	17	37	20	
				ADMINISTRATIVE	COMPLETE	12/22/08	01/04/09	14	0	14	14	
				TECHNICAL	COMPLETE	01/04/09	01/26/09	90	17	23	6	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	COMPLETE	Susan Butts	01/04/2009	01/06/2009	3	31	25	
ESS LABORATORY DIV THIELSCH ENG	78003001	LABCERT	COMMERCIAL	LABCERT RENEWAL	APPROVED	12/23/08	01/21/09	104	11	31	20	
				ADMINISTRATIVE	COMPLETE	12/23/08	01/16/09	14	11	25	14	
				TECHNICAL	COMPLETE	01/16/09	01/21/09	90	0	6	6	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Organic Review	C	Susan Butts	01/16/2009	01/21/2009	6	1	1	
DUKE ENERGY CORPORATION	99005001	LABCERT	COMMERCIAL	LABCERT RENEWAL	APPROVED	12/29/08	01/14/09	104	16	18	2	
				ADMINISTRATIVE	COMPLETE	12/29/08	01/14/09	14	16	17	1	
				TECHNICAL	COMPLETE	01/14/09	01/14/09	90	0	1	1	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	COMPLETE	Mahtab N Gowan	01/14/2009	01/14/2009	1	34	25	
K&W LABORATORIES LLC	99051002	LABCERT	COMMERCIAL	LABCERT RENEWAL	APPROVED	12/29/08	01/21/09	104	14	25	11	
				ADMINISTRATIVE	COMPLETE	12/29/08	01/21/09	14	14	24	10	
				TECHNICAL	COMPLETE	01/21/09	01/21/09	90	0	1	1	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Microbiology Review	C	Bennie L Cockerel	01/21/2009	01/21/2009	1	1	1	
				Inorganic Review	COMPLETE	James C Berry	01/21/2009	01/21/2009	1	7	7	

Laboratory Certification Time Frame Report Using Date Received

LABCERT Permits

Out-of-State Labs

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

<u>Project Name</u>	<u>Permit No</u>	<u>Permit Id/ Reviewer</u>	<u>Permit/ Sub Type</u>	<u>App Type/ Review Type</u>	<u>Decision/ Status</u>	<u>Dt Recvd/ Start Dt</u>	<u>Decision Dt/ Completed</u>	<u># Days Reqd</u>	<u>Hold Days</u>	<u>Elapsd Days</u>	<u>EQC Days</u>	<u>***Time Exceed</u>
RESEARCH & ANALYTICAL LABS INC	99001001	SMITH, CAROL F SMITH, CAROL F	LABCERT COMMERCIAL	LABCERT RENEWAL		12/29/08		104	18	35	17	
				ADMINISTRATIVE	COMPLETE	12/29/08	01/02/09	14	0	5	5	
				TECHNICAL	INPROC	01/02/09		90	18	30	12	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	COMPLETE	Carol F Smith	01/02/2009	01/02/2009	1	15	14	
A&L EASTERN LABORATORIES INC	93007001	SMITH, CAROL F BERRY, JAMES C	LABCERT COMMERCIAL	LABCERT RENEWAL		12/30/08		104	33	33	33	
				ADMINISTRATIVE	INPROC	12/30/08		14	33	33	0	
				TECHNICAL	PENDING			90	0	0	0	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	INPROC	Susan Butts	01/23/2009		9	36	27	
PRISM LABORATORIES INC	99012001	BUTTS, SUSAN BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL		12/30/08		104	14	34	20	
				ADMINISTRATIVE	COMPLETE	12/30/08	01/23/09	14	14	25	11	
				TECHNICAL	INPROC	01/23/09		90	0	9	9	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Microbiology Review	INPROC	Susan Butts	01/23/2009		9	2	2	
HERITAGE ENVIRONMENTAL SERVICES INC	95003003	BERRY, JAMES C BERRY, JAMES C	LABCERT COMMERCIAL	LABCERT RENEWAL		12/31/08		104	17	33	16	
				ADMINISTRATIVE	COMPLETE	12/31/08	01/27/09	14	15	28	13	
				TECHNICAL	INPROC	01/27/09		90	2	5	3	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Organic Review	INPROC	Susan Butts	01/27/2009		3	2	2	
ENVIRONMENTAL CHEMISTS II	99056001	BUTTS, SUSAN BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	01/06/09	01/26/09	104	14	22	8	
				ADMINISTRATIVE	COMPLETE	01/06/09	01/26/09	14	14	21	7	
				TECHNICAL	COMPLETE	01/26/09	01/26/09	90	0	1	1	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Organic Review	C	Susan Butts	01/26/2009	01/26/2009	1	2	2	

Laboratory Certification Time Frame Report Using Date Received

LABCERT Permits

Out-of-State Labs

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

Project Name	Permit No	Permit Id/ Reviewer	Permit/ Sub Type	App Type/ Review Type	Decision/ Status	Dt Recvd/ Start Dt	Decision Dt/ Completed	# Days Reqd	Hold Days	Elapsd Days	EQC Days	***Time Exceed
BENCHMARK ANALYTICS INC		89019001	LABCERT	LABCERT RENEWAL		01/07/09		104	25	26	1	
			COMMERCIAL									
		GOWAN, MAHTAB N		ADMINISTRATIVE	COMPLETE	01/07/09	01/20/09	14	13	14	1	
		GOWAN, MAHTAB N		TECHNICAL	INPROC	01/20/09		90	12	12	0	
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Inorganic Review	PENDING	Mahtab N Gowan	01/20/2009		0	7	6			
PACE ANALYTICAL ASHEVILLE		99030001	LABCERT	LABCERT RENEWAL		01/07/09		104	17	25	8	
			COMMERCIAL									
		BAQUIRAN, ALFRED J		ADMINISTRATIVE	INPROC	01/07/09		14	17	25	8	
		BAQUIRAN, ALFRED J		TECHNICAL	PENDING			90	0	0	0	
TESTAMERICA WEST SACRAMENTO		87014002	LABCERT	LABCERT RENEWAL		01/07/09		104	23	25	2	
			COMMERCIAL									
		SMITH, CAROL F		ADMINISTRATIVE	INPROC	01/07/09		14	23	25	2	
		SMITH, CAROL F		TECHNICAL	PENDING			90	0	0	0	
GASTONIA CITY OF CROWDERS LAB		99060001	LABCERT	LABCERT RENEWAL	APPROVED	01/08/09	01/16/09	104	5	10	5	
			MUNICIPAL									
		BERRY, JAMES C		ADMINISTRATIVE	COMPLETE	01/08/09	01/14/09	14	5	7	2	
		BERRY, JAMES C		TECHNICAL	COMPLETE	01/14/09	01/16/09	90	0	3	3	
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Inorganic Review	COMPLETE	James C Berry	01/14/2009	01/16/2009	3	1	1			
		Microbiology Review	C	James C Berry	01/14/2009	01/16/2009	3	2	2			
GEOCHEMICAL TESTING		89022001	LABCERT	LABCERT RENEWAL		01/12/09		104	0	21	21	
			COMMERCIAL									
		BUTTS, SUSAN		ADMINISTRATIVE	COMPLETE	01/12/09	01/25/09	14	0	14	14	
		BUTTS, SUSAN		TECHNICAL	INPROC	01/25/09		90	0	7	7	
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Inorganic Review	INPROC	Susan Butts	01/25/2009		7	12	11			
		Organic Review	INPROC	Susan Butts	01/25/2009		7	2	2			
		Trace Metals Review	INPROC	Susan Butts	01/25/2009		7	29	3			
SGS ENVIRONMENTAL SERVICES		99029002	LABCERT	LABCERT RENEWAL		01/15/09		104	4	17	13	
			COMMERCIAL									
		BUTTS, SUSAN		ADMINISTRATIVE	INPROC	01/15/09		14	4	17	13	
		BUTTS, SUSAN		TECHNICAL	PENDING			90	0	0	0	
PACE ANALYTICAL HUNTERSVILLE		99006001	LABCERT	LABCERT RENEWAL		01/21/09		104	10	11	1	
			COMMERCIAL									
		GOWAN, MAHTAB N		ADMINISTRATIVE	INPROC	01/21/09		14	10	11	1	
		GOWAN, MAHTAB N		TECHNICAL	PENDING			90	0	0	0	

Digitized by South Carolina State Library

Laboratory Certification Time Frame Report Using Date Received

LABCERT Permits

Out-of-State Labs

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

<u>Project Name</u>	<u>Permit No</u>	<u>Permit Id/ Reviewer</u>	<u>Permit/ Sub Type</u>	<u>App Type/ Review Type</u>	<u>Decision/ Status</u>	<u>Dt Recvd/ Start Dt</u>	<u>Decision Dt/ Completed</u>	<u># Days Reqd</u>	<u>Hold Days</u>	<u>Elapsd Days</u>	<u>EQC Days</u>	<u>***Time Exceed</u>
QC INC		89021001	LABCERT	LABCERT RENEWAL		01/26/09		104	3	6	3	
			COMMERCIAL									
		BERRY, JAMES C		ADMINISTRATIVE	INPROC	01/26/09		14	3	6	3	
		BERRY, JAMES C		TECHNICAL	PENDING			90	0	0	0	

	<u>Permit Applications</u>		<u>Administrative Reviews</u>		<u>Technical Reviews</u>	
Total Number For Type: LABCERT RENEWAL	30		30		30	
Number Exceeding Time Frame:	0	0.00 %	0	0.00 %	0	0.00 %
Number Within Time Frame:	30	100.00 %	30	100.00 %	30	100.00 %
Average Elapsed Time in Calendar Days:	32		22		11	
Average EQC Time in Calendar Days:	19		19		7	
Number of Permit Applications Approved:	16					
Review Tasks	# Reviews	Total Days	# Parameters/AMs	#Methods/SPMs		
In-State	0	0	0	0		
Out of State	38	444	440	199		
Total	38	444	440	199		

<u>Report Totals</u>		<u>Permit Applications</u>		<u>Administrative Reviews</u>		<u>Technical Reviews</u>	
Total Number		30		30		30	
Number Exceeding Time Frame:		0	0.00 %	0	0.00 %	0	0.00 %
Number Within Time Frame:		30	100.00 %	30	100.00 %	30	100.00 %
Average Elapsed Time in Calendar Days:		32		22		11	
Average EQC Time in Calendar Days:		19		7		7	
Number of Permit Applications Approved:		16					
Review Tasks	# Reviews	Total Days	# Parameters/AMs	#Methods/SPMs			
In-State	0	0	0	0			
Out of State	38	444	440	199			
Total	38	444	440	199			

Laboratory Certification Time Frame Report Using Date of Final Decision

LABCERT Permits

Out-of-State Labs

Includes Appl. after July 1, 1995

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

<u>Project Name</u>	<u>Permit No</u>	<u>Permit Id/ Reviewer</u>	<u>Permit/ Sub Type</u>	<u>App Type/ Review Type</u>	<u>Decision/ Status</u>	<u>Dt Recvd/ Start Dt</u>	<u>Decision Dt/ Completed</u>	<u># Days Reqd</u>	<u>Hold Days</u>	<u>Elapsd Days</u>	<u>EQC Days</u>	<u>***Time Exceed</u>
<u>Report Totals</u>		<u>Permit Applications *</u>		<u>Administrative Reviews</u>		<u>Technical Reviews</u>		<u>Expedited Reviews</u>				
Total Number		29		29		29		0				
Number Exceeding Time Frame:		2	0.00%	0	0.00%	4	13.79%	0	0.00 %			
Number Within Time Frame:		27	100.00%	29	100.00%	25	86.21%	0	0.00 %			
Average Elapsed Time in Calendar Days:		82		21		61		0				
Average EQC Time in Calendar Days:		43		7		36						
Number of Permit Applications Approved:		28										
Review Tasks	# Reviews	Total Days		# Parameters/AMs		#Methods/SPMs						
In-State	0	0		0		0						
Out of State	26	370		256		111						
Total	26	370		256		111						

*Without Review(s) Started:

Laboratory Certification Time Frame Report Using Date of Final Decision

LABCERT Permits

Out-of-State Labs

Includes Appl. after July 1, 1995

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

Project Name	Permit No	Permit Id/ Reviewer	Permit/ Sub Type	App Type/ Review Type	Decision/ Status	Dt Recvd/ Start Dt	Decision Dt/ Completed	# Days Reqd	Hold Days	Elapsd Days	EQC Days	***Time Exceed
RESEARCH & ANALYTICAL LABS INC	99001002	SMITH, CAROL F SMITH, CAROL F	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	08/13/08	11/05/08	104	47	85	38	
				ADMINISTRATIVE	COMPLETE	08/13/08	09/23/08	14	34	42	8	
				TECHNICAL	COMPLETE	09/23/08	11/05/08	90	13	31	18	
PACE ANALYTICAL MINNESOTA	74003001	BUTTS, SUSAN BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	07/07/08	11/10/08	104	95	127	32	
				ADMINISTRATIVE	COMPLETE	07/07/08	07/08/08	14	0	2	2	
				TECHNICAL	COMPLETE	07/08/08	11/10/08	90	95	126	31	
NOVACHEM LABORATORIES	92017001	BUTTS, SUSAN BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	09/30/08	11/17/08	104	47	49	2	
				ADMINISTRATIVE	COMPLETE	09/30/08	10/01/08	14	0	2	2	
				TECHNICAL	COMPLETE	10/01/08	11/17/08	90	47	48	1	
KB LABS INC KB2	96040001	WILLIAMS, T JOHN BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	07/10/08	12/01/08	104	59	145	86	
				ADMINISTRATIVE	COMPLETE	07/10/08	07/23/08	14	0	14	14	
				TECHNICAL	COMPLETE	07/23/08	12/01/08	90	59	132	73	
MWH LABORATORIES	87016001	BUTTS, SUSAN BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/05/08	12/05/08	104	0	1	1	
				ADMINISTRATIVE	COMPLETE	12/05/08	12/05/08	14	0	1	1	
				TECHNICAL	COMPLETE	12/05/08	12/05/08	90	0	1	1	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	COMPLETE	Susan Butts	12/05/2008	12/05/2008	1	1	1	
PACE ANALYTICAL HUNTERSVILLE	99006003	COCKEREL, BENNIE L COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	08/26/08	12/05/08	104	0	102	102	
				ADMINISTRATIVE	COMPLETE	08/26/08	09/08/08	14	0	14	14	
				TECHNICAL	COMPLETE	09/08/08	12/05/08	90	0	89	89	
ANALYTICAL SERVICES INC	98011001	BUTTS, SUSAN BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	07/07/08	12/10/08	104	57	157	100	
				ADMINISTRATIVE	COMPLETE	07/07/08	07/31/08	14	20	25	5	
				TECHNICAL	COMPLETE	07/31/08	12/10/08	90	37	133	96	***
PENNINGTON & ASSOCIATES INC	84010001	COCKEREL, BENNIE L COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/01/08	12/16/08	104	0	16	16	
				ADMINISTRATIVE	COMPLETE	12/01/08	12/11/08	14	0	11	11	
				TECHNICAL	COMPLETE	12/11/08	12/16/08	90	0	6	6	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Taxonomy Review	C	Bennie L Cockerel	12/11/2008	12/16/2008	0	7	1	

Laboratory Certification Time Frame Report Using Date of Final Decision

LABCERT Permits

Out-of-State Labs

Includes Appl. after July 1, 1995

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

<u>Project Name</u>	<u>Permit No</u>	<u>Permit Id/ Reviewer</u>	<u>Permit/ Sub Type</u>	<u>App Type/ Review Type</u>	<u>Decision/ Status</u>	<u>Dt Recvd/ Start Dt</u>	<u>Decision Dt/ Completed</u>	<u># Days Reqd</u>	<u>Hold Days</u>	<u>Elapsd Days</u>	<u>EQC Days</u>	<u>***Time Exceed</u>	
ACCUTEST LABORATORIES SE	96038001	COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	07/14/08	12/31/08	104	88	171	83		
				ADMINISTRATIVE	COMPLETE	07/14/08	10/10/08	14	88	89	1		
				TECHNICAL	COMPLETE	10/10/08	12/31/08	90	0	83	83		
PROGRESS ENERGY CAROLINAS INC	99017001	COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/18/08	12/31/08	104	0	14	14		
				ADMINISTRATIVE	COMPLETE	12/18/08	12/31/08	14	0	14	14		
				TECHNICAL	COMPLETE	12/31/08	12/31/08	90	0	1	1		
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs		
				Taxonomy Review	C	Bennie L Cockerel	12/31/2008	12/31/2008	0	4	1		
DUKE ENERGY CORPORATION	99046001	COCKEREL, BENNIE L	LABCERT INDUSTRIAL	LABCERT RENEWAL	APPROVED	11/19/08	01/02/09	104	44	45	1		
				ADMINISTRATIVE	COMPLETE	11/19/08	01/02/09	14	44	45	1		
				TECHNICAL	COMPLETE	01/02/09	01/02/09	90	0	1	1		
GULF COAST ANALYTICAL LAB	73006001	BERRY, JAMES C	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	07/14/08	01/06/09	104	109	177	68		
				ADMINISTRATIVE	COMPLETE	07/14/08	07/15/08	14	0	2	2		
				TECHNICAL	COMPLETE	07/15/08	01/06/09	90	109	176	67		
ADVENT ENVIRON	84015001	COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/10/08	01/09/09	104	24	31	7		
				ADMINISTRATIVE	COMPLETE	12/10/08	12/16/08	14	0	7	7		
				TECHNICAL	COMPLETE	12/16/08	01/09/09	90	24	25	1		
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs		
				Inorganic Review	COMPLETE	Bennie L Cockerel	12/16/2008	01/09/2009	1	6	6		
				Toxicity Review	COMPLETE	Bennie L Cockerel	12/16/2008	01/09/2009	1	4	4		
UNDERWRITERS LABORATORIES INC	95005001	COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	07/07/08	01/09/09	104	186	187	1		
				ADMINISTRATIVE	COMPLETE	07/07/08	07/11/08	14	4	5	1		
				TECHNICAL	COMPLETE	07/11/08	01/09/09	90	182	183	1		
ENVIRONMENTAL TESTING SOLUTIONS INC	99053001	COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	10/16/08	01/13/09	104	0	90	90		
				ADMINISTRATIVE	COMPLETE	10/16/08	10/29/08	14	0	14	14		
				TECHNICAL	COMPLETE	10/29/08	01/13/09	90	0	77	77		

Laboratory Certification Time Frame Report Using Date of Final Decision

LABCERT Permits

Out-of-State Labs

Includes Appl. after July 1, 1995

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

Project Name	Permit No	Permit Id/ Reviewer	Permit/ Sub Type	App Type/ Review Type	Decision/ Status	Dt Recvd/ Start Dt	Decision Dt/ Completed	# Days Reqd	Hold Days	Elapsd Days	EQC Days	***Time Exceed
DUKE ENERGY CORPORATION	99005001	GOWAN, MAHTAB N	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/29/08	01/14/09	104	16	17	1	
				ADMINISTRATIVE	COMPLETE	12/29/08	01/14/09	14	16	17	1	
				TECHNICAL	COMPLETE	01/14/09	01/14/09	90	0	1	1	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	COMPLETE	Mahtab N Gowan	01/14/2009	01/14/2009	1	34	25	
				Trace Metals Review	COMPLETE	Mahtab N Gowan	01/14/2009	01/14/2009	1	80	7	
PRECISION PETROLEUM LABS INC	82015001	BERRY, JAMES C	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/01/08	01/14/09	104	22	45	23	
				ADMINISTRATIVE	COMPLETE	12/01/08	12/10/08	14	7	10	3	
				TECHNICAL	COMPLETE	12/10/08	01/14/09	90	15	36	21	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	COMPLETE	James C Berry	12/10/2008	01/08/2009	21	2	2	
				Trace Metals Review	C	James C Berry	12/10/2008	01/14/2009	21	8	1	
BROWARD TESTING LABORATORY	96030001	BUTTS, SUSAN	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	08/06/08	01/15/09	104	68	163	95	
				ADMINISTRATIVE	COMPLETE	08/07/08	09/08/08	14	32	33	1	
				TECHNICAL	COMPLETE	09/08/08	01/15/09	90	36	130	94	***
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
GEOSYNTEC CORPORATION	98022001	COCKEREL, BENNIE L	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	11/25/08	01/15/09	104	51	52	1	
				ADMINISTRATIVE	COMPLETE	11/25/08	01/15/09	14	51	52	1	
				TECHNICAL	COMPLETE	01/15/09	01/15/09	90	0	1	1	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Taxonomy Review	C	Bennie L Cockerel	01/15/2009	01/15/2009	1	3	1	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
PACE ANALYTICAL SERVICES INC PITTSBURGH	89010002	GOWAN, MAHTAB N	LABCERT COMMERCIAL	LABCERT RENEWAL	DENIED	07/15/08	01/15/09	104	62	185	123	***
				ADMINISTRATIVE	COMPLETE	07/15/08	09/25/08	14	62	73	11	
				TECHNICAL	COMPLETE	09/25/08	01/15/09	90	0	113	113	***
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
GASTONIA CITY OF CROWDERS LAB	99060001	BERRY, JAMES C	LABCERT MUNICIPAL	LABCERT RENEWAL	APPROVED	01/08/09	01/16/09	104	5	9	4	
				ADMINISTRATIVE	COMPLETE	01/08/09	01/14/09	14	5	7	2	
				TECHNICAL	COMPLETE	01/14/09	01/16/09	90	0	3	3	
				Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs	
				Inorganic Review	COMPLETE	James C Berry	01/14/2009	01/16/2009	3	1	1	
				Microbiology Review	C	James C Berry	01/14/2009	01/16/2009	3	2	2	

Laboratory Certification Time Frame Report Using Date of Final Decision

LABCERT Permits

Out-of-State Labs

Includes Appl. after July 1, 1995

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

Project Name	Permit No	Permit Id/ Reviewer	Permit/ Sub Type	App Type/ Review Type	Decision/ Status	Dt Recvd/ Start Dt	Decision Dt/ Completed	# Days Reqd	Hold Days	Elapsd Days	EQC Days	***Time Exceed
ESS LABORATORY DIV THIELSCH ENG	78003001	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/23/08	01/21/09	104	11	30	19		
		BUTTS, SUSAN	ADMINISTRATIVE	COMPLETE	12/23/08	01/16/09	14	11	25	14		
		BUTTS, SUSAN	TECHNICAL	COMPLETE	01/16/09	01/21/09	90	0	6	6		
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Organic Review	C	Susan Butts	01/16/2009	01/21/2009	6	1	1			
K&W LABORATORIES LLC	99051002	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/29/08	01/21/09	104	14	24	10		
		BERRY, JAMES C	ADMINISTRATIVE	COMPLETE	12/29/08	01/21/09	14	14	24	10		
		BERRY, JAMES C	TECHNICAL	COMPLETE	01/21/09	01/21/09	90	0	1	1		
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Microbiology Review	C	Bennie L Cockerel	01/21/2009	01/21/2009	1	1	1			
		Inorganic Review	COMPLETE	James C Berry	01/21/2009	01/21/2009	1	7	7			
AES INC	98016002	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/22/08	01/26/09	104	17	36	19		
		BUTTS, SUSAN	ADMINISTRATIVE	COMPLETE	12/22/08	01/04/09	14	0	14	14		
		BUTTS, SUSAN	TECHNICAL	COMPLETE	01/04/09	01/26/09	90	17	23	6		
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Inorganic Review	COMPLETE	Susan Butts	01/04/2009	01/06/2009	3	31	25			
		Organic Review	C	Susan Butts	01/04/2009	01/26/2009	6	4	3			
		Trace Metals Review	C	Susan Butts	01/04/2009	01/06/2009	3	38	3			
ENVIRONMENTAL CHEMISTS II	99056001	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	01/06/09	01/26/09	104	14	21	7		
		BUTTS, SUSAN	ADMINISTRATIVE	COMPLETE	01/06/09	01/26/09	14	14	21	7		
		BUTTS, SUSAN	TECHNICAL	COMPLETE	01/26/09	01/26/09	90	0	1	1		
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Organic Review	C	Susan Butts	01/26/2009	01/26/2009	1	2	2			
TESTAMERICA SAVANNAH	98001001	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	07/09/08	01/26/09	104	75	202	127	***	
		BUTTS, SUSAN	ADMINISTRATIVE	COMPLETE	07/09/08	07/24/08	14	12	16	4		
		BUTTS, SUSAN	TECHNICAL	COMPLETE	07/24/08	01/26/09	90	63	187	124	***	
MERITECH	99047001	LABCERT COMMERCIAL	LABCERT RENEWAL	APPROVED	12/02/08	01/28/09	104	0	58	58		
		COCKEREL, BENNIE L	ADMINISTRATIVE	COMPLETE	12/02/08	12/11/08	14	0	10	10		
		COCKEREL, BENNIE L	TECHNICAL	COMPLETE	12/11/08	01/28/09	90	0	49	49		
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Inorganic Review	COMPLETE	Bennie L Cockerel	12/11/2008	01/28/2009	49	6	6			
		Toxicity Review	COMPLETE	Bennie L Cockerel	12/11/2008	01/28/2009	49	2	2			
		Trace Metals Review	COMPLETE	Bennie Cockerel	12/11/2008	01/28/2009	49	2	2			

Laboratory Certification Time Frame Report Using Date of Final Decision

LABCERT Permits

Out-of-State Labs

Includes Appl. after July 1, 1995

For Period: 11/01/2008 To 01/31/2009

App Type - LABCERT RENEWAL

Project Name	Permit No	Permit Id/ Reviewer	Permit/ Sub Type	App Type/ Review Type	Decision/ Status	Dt Recvd/ Start Dt	Decision Dt/ Completed	# Days Reqd	Hold Days	Elapsd Days	EQC Days	***Time Exceed
MERITECH	99047002	LABCERT	LABCERT RENEWAL	APPROVED	12/02/08	01/28/09	104	0	58	58		
		COMMERCIAL										
		COCKEREL, BENNIE L	ADMINISTRATIVE	COMPLETE	12/02/08	12/11/08	14	0	10	10		
		COCKEREL, BENNIE L	TECHNICAL	COMPLETE	12/11/08	01/28/09	90	0	49	49		
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Inorganic Review	COMPLETE	Bennie L Cockerel	12/11/2008	01/28/2009	49	1	1			
PACE ANALYTICAL ASHEVILLE	99030002	LABCERT	LABCERT RENEWAL	APPROVED	12/01/08	01/28/09	104	0	59	59		
		COMMERCIAL										
		COCKEREL, BENNIE L	ADMINISTRATIVE	COMPLETE	12/01/08	12/11/08	14	0	11	11		
		COCKEREL, BENNIE L	TECHNICAL	COMPLETE	12/11/08	01/28/09	90	0	49	49		
		Task	Status	LCO	Start Date	Completed Date	# Days	#Parms/AMs	#Mets/SPMs			
		Inorganic Review	COMPLETE	Bennie L Cockerel	12/11/2008	01/28/2009	49	2	2			
		Toxicity Review	COMPLETE	Bennie L Cockerel	12/11/2008	01/28/2009	49	2	2			

	<u>Permit Applications *</u>	<u>Administrative Reviews</u>	<u>Technical Reviews</u>	<u>Expedited Reviews</u>
Total Number For Type: LABCERT RENEWAL	29	29	29	0
Number Exceeding Time Frame:	2 6.90%	0 0.00%	4 13.79%	0 0.00%
Number Within Time Frame:	27 93.10%	29 100.00%	25 86.21%	0 0.00%
Average Elapsed Time in Calendar Days:	82	21	61	0
Average EQC Time in Calendar Days:	43	7	36	0
Number of Permit Applications Approved:	28			
*Without Review(s) Started:				
Review Tasks	# Reviews	Total Days	# Parameters/AMs	#Methods/SPMs
In-State	0	0	0	0
Out of State	26	370	256	111
Total	26	370	256	111

SCDHEC

Permit Status Report

Date Range JAN 01, 2009 - JAN 31, 2009

<u>Application Type</u>	<u>In-State Labs</u>					<u>Out-of-State Labs</u>				
	<u>#</u>	<u>#</u>	<u>Avg</u>	<u>Avg</u>	<u>In</u>	<u>#</u>	<u>#</u>	<u>Avg</u>	<u>Avg</u>	<u>In</u>
	<u>Received</u>	<u>Completed</u>	<u>Elapsed</u>	<u>EQC</u>	<u>Review</u>	<u>Received</u>	<u>Completed</u>	<u>Elapsed</u>	<u>EQC</u>	<u>Review</u>
ADDITIONAL PARM CERTIFICATION	9	8	67	29	5	8	1	8	2	7
INITIAL CERTIFICATION	0	0	0	0	0	0	0	0	0	0
LABCERT RENEWAL	12	12	4	4	0	9	19	79	41	7
RECERTIFICATION	0	0	0	0	0	0	0	0	0	0
<u>Total</u>	21	20	29	14	5	17	20	76	40	14

Appendix 5

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Main Menu for SMITHCF @ EFIS (Forms6) (Client)

Check Alerts

Companies

People

Permits

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

Reports

Incidents

Referrals

Map

Disconnect

Exit

Record: 1/1 <OSC> <DBG>

[illegible]

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Permit Entry/Update for AES INC

Permit Owner: AES INC D Created: By: []

Permit Type: LAB-Laboratory Certification D Updated: By: []

Sub-Type: Commercial D

Program Area: LAB - Permitting - Laboratory Certification D

Permit ID: 98016002 D

Local Facility: D

Operator: D

Permit Status: Certified D

Permit Description: Cert Auth: NC; CWA E

Proj. Name / ID: D

Eng. Firm: D

Status Date: JAN 27, 2009 Active/Operating

Application Type: LABCERT RENEWAL

Received By: NEFF, VERONICA K D

Received Date: DEC 22, 2008

App. Track. No.: 858851

App. Date: DEC 22, 2008

App. Disposition: Completed

Disp. Date: JAN 26, 2009

App. Signed By: D

Decision: Approved

Decision Date: JAN 26, 2009

Issued By: D

Issued Date: JAN 26, 2009

Effective Date: JAN 26, 2009

Expires Date: DEC 31, 2009

Permit Number: []

Accepted Date: []

App. Description: Certification Renewal E

Details Site Info. Other ID's Relations Tasks History Notes Documents Other Owners Invoices Date Events

Referrals Violations Enf. Actions Incidents Legal Print Screen Revisions Emiss. Inv. Mon. Rpts Reset Perm.ID Name Util.

Enter an application type

Record: 1/? List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Reviews for AES INC; Permit No. 98016002

Review Type	Status	Start(ed)	Due	Completed	Assigned To / Reviewed By
ADMINISTRATIVE	Complete	DEC 22, 2008	JAN 04, 2009	JAN 04, 2009	BUTTS, SUSAN
TECHNICAL	Complete	JAN 04, 2009	APR 20, 2009	JAN 26, 2009	BUTTS, SUSAN

Remarks: [] E

Updated: JAN 16, 2009 By: BUTTS, SUSAN

Clock Status: []

Status Date: JAN 04, 2009

Clock Started Date: DEC 22, 2008

Clock Restart Date: []

Comments: [] E

Max. Days Allowed: 14

Total Elapsed Days: []

Days Clock Active: []

Days Clock Stopped: []

Remaining Days: []

Checklist Tasks History Updated: JAN 16, 2009 By: BUTTS, SUSAN

Record: 1/2 List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Out of State Admin Review for 98016002 - AES INC

☒ Certificate and Analyte List?
 Date of Last On-Site Evaluation Report by Certifying Authority: OCT 02, 2006
☒ Report Submitted?
☒ Response to report submitted?
☒ QA Plan Submitted?
 QA Plan Revision Date: FEB 25, 2008
☒ Current Personnel List?

Act	Category	Parameter/ Analytical Method	Method/ SPM	AM Cert? SOP? Revision Date	Method/SPM SOP? Revision Date	Def?
CLEAN WA1	INORGANIC - DEM	OXYGEN DEMAND(BOD)	SM 52108 (20TH)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - DEM	CHEMICAL OXYGEN DEM	EPA 410.4 (1993)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - DEM	TOTAL ORGANIC CARBON	SM 53108 (20TH)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	ALKALINITY	EPA 310.2 (1974)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	ALKALINITY	SM 23208 (20TH)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	CHLORIDE	EPA 300.0 (1993)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	CHLORIDE	SM 4500CL-E (20TH)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	FLUORIDE	EPA 300.0 (1993)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	INORGANIC - MIN	HARDNESS, TOTAL (AS C	SM 23408 (18TH)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> FEB 04, 2001	<input type="checkbox"/>

Comments

Print

Record: 1/73 <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Out of State Admin Review for 98016002 - AES INC

☒ Certificate and Analyte List?
 Date of Last On-Site Evaluation Report by Certifying Authority: OCT 02, 2006
☒ Report Submitted?
☒ Response to report submitted?
☒ QA Plan Submitted?
 QA Plan Revision Date: FEB 25, 2008
☒ Current Personnel List?

Act	Category	Parameter/ Analytical Method	Method/ SPM	AM Cert? SOP? Revision Date	Method/SPM SOP? Revision Date	Def?
CLEAN WA1	INORGANIC - TRA	THALLIUM	EPA 200.8 (1994)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JAN 01, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	VANADIUM	EPA 200.7 (1994)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JAN 19, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	VANADIUM	EPA 200.8 (1994)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JAN 01, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	ZINC	EPA 200.7 (1994)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JAN 19, 2007	<input type="checkbox"/>
CLEAN WA1	INORGANIC - TRA	ZINC	EPA 200.8 (1994)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> JAN 01, 2007	<input type="checkbox"/>
CLEAN WA1	PCBS AND PESTI	EPA 608	NA	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> SEP 01, 2008	<input checked="" type="checkbox"/> SEP 01, 2008	<input type="checkbox"/>
CLEAN WA1	SEMI-VOLATILES	EPA 610	NA	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> JUL 01, 2008	<input checked="" type="checkbox"/> JUL 01, 2008	<input type="checkbox"/>
CLEAN WA1	SEMI-VOLATILES	EPA 625	NA	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> JAN 19, 2005	<input checked="" type="checkbox"/> JAN 19, 2005	<input type="checkbox"/>
CLEAN WA1	VOLATILES (VOC	EPA 624	NA	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> OCT 01, 2008	<input checked="" type="checkbox"/> OCT 01, 2008	<input type="checkbox"/>

Comments

Print Analytes

Record: 70/73 <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help

Analytes

Act	Category	Analytical Method	SPM
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA

Certified?	Analyte	Deficiency?
<input checked="" type="checkbox"/>	4,4'-DDD	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4,4'-DDE	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4,4'-DDT	<input type="checkbox"/>
<input checked="" type="checkbox"/>	ALDRIN	<input type="checkbox"/>
<input checked="" type="checkbox"/>	ALPHA-BHC	<input type="checkbox"/>
<input checked="" type="checkbox"/>	BETA-BHC	<input type="checkbox"/>
<input checked="" type="checkbox"/>	CHLORDANE	<input type="checkbox"/>
<input checked="" type="checkbox"/>	DELTA-BHC	<input type="checkbox"/>
<input checked="" type="checkbox"/>	DIELDRIN	<input type="checkbox"/>
<input checked="" type="checkbox"/>	ENDOSULFAN I	<input type="checkbox"/>
<input checked="" type="checkbox"/>	ENDOSULFAN II	<input type="checkbox"/>
<input checked="" type="checkbox"/>	ENDOSULFAN SULFATE	<input type="checkbox"/>
<input checked="" type="checkbox"/>	ENDRIN	<input type="checkbox"/>
<input checked="" type="checkbox"/>	ENDRIN ALDEHYDE	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GAMMA-BHC (LINDANE)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	HEPTACHLOR	<input type="checkbox"/>
<input checked="" type="checkbox"/>	HEPTACHLOR EPOXIDE	<input type="checkbox"/>

Comments E

OK Cancel

Record: 1/7 <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Task for Permit ID 98016002

Tasks: ☒ All ☐ Completed ☐ Incomplete ☐ Pending ☐ Past Due ☐ Export Data to Report / File

Assigned To: ☒ Anyone ☐ Me ☐ My Dept. ☐ Other User ☐ Other Dept.

Group	Type	Description	Status	Start/Recd Date	Due Date	Complete Date	Results
VIEW/ACTIVITIES	ADM/REVIEW	Out of State Administr	COMPLETE	DEC 22, 2008		JAN 04, 2009	COMPLETE

Permit ID 98016002 D UST Fac. ID D Person Assigned BUTTS, SUSAN D

Person / Co. AES INC D Dept. Assigned DHEC

Proj. Name / ID D Completed By D

Air Source Cat. D

Description E

Created JAN 16, 2009 By BUTTS, SUSAN Updated JAN 16, 2009 By BUTTS, SUSAN

Details Checklist History Referrals Relations ☐ Include Date Range in Query ☐ Batch Document Printing ☐ Make All Documents Public

Record: 1/1 List of Values <OSC> <DBG>

LCO: BUTTS, SUSAN
 Lab ID# 98016
 Certificate #: 98016002
 Certifying Authority: North Carolina
 Laboratory Name AES INC

Certificate and Analyte List? Y

Date of Last On-Site Evaluation Report by Certifying Authority: Oct 02, 2006

Report Submitted? Y

Response to Report Received? Y

QA Plan Submitted? Y

QA Plan Revision Date: Feb 25, 2008

Current Personnel List? Y

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	INORGANIC - DEMAND	BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - DEMAND	CHEMICAL OXYGEN DEMAND (COD)	EPA 410.4 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - DEMAND	TOTAL ORGANIC CARBON (TOC)	SM 5310B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	EPA 310.2 (1974)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	SM 2320B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	SM 4500CL-E (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	FLUORIDE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	HARDNESS, TOTAL (AS CaCO ₃)	SM 2340B (18TH)		Y	Y Feb 04, 2001
CLEAN WATER ACT	INORGANIC - MINERAL	HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MINERAL	SPECIFIC CONDUCTANCE	EPA 120.1 (1982)		Y	Y Jul 01, 2005
CLEAN WATER ACT	INORGANIC - MINERAL	SULFATE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	CYANIDE	SM 4500CNC,E (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	OIL & GREASE	EPA 1664A		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	PHENOLICS, TOTAL RECOVERABLE	EPA 420.1 (1978)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	RESIDUAL CHLORINE	SM 4500CLG (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	SULFIDE	SM 4500S2F (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	TURBIDITY	EPA 180.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	AMMONIA-NITROGEN	EPA 350.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	KJELDAHL-NITROGEN	EPA 351.2 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (N02&N03)	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (N02&N03)	EPA 353.2 (1993)		Y	Y Mar 29, 2006
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITROGEN	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRITE-NITROGEN	EPA 300.0 (1993)		Y	Y Jul 01, 2008

January 30, 2009

Page 1 of 7

labadmos.rdf

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 300.0 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 365.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - NUTRIENT	PHOSPHORUS	EPA 365.1 (1993)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, NONFILTERABLE (TSS)	SM 2540D (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, SETTLEABLE (SS)	SM 2540F (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, TOTAL (TS)	SM 2540B (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - RESIDUE	SOLIDS, TOTAL DISSOLVED (TDS)	SM 2540C (20TH)		Y	Y Jul 01, 2008
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	BARIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CALCIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	IRON	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MAGNESIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	MERCURY	EPA 245.1 (1994)		Y	Y Aug 01, 2003
CLEAN WATER ACT	INORGANIC - TRACE METAL	MOLYBDENUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.8 (1994)		Y	Y Jan 01, 2007

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.7 (1994)		Y	Y Jan 19, 2007
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.8 (1994)		Y	Y Jan 01, 2007
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA		Y	SPM: Y Sep 01, 2008 AM: Y Sep 01, 2008
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	4,4'-DDD	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	4,4'-DDE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	4,4'-DDT	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ALDRIN	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ALPHA-BHC	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	BETA-BHC	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	CHLORDANE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	DELTA-BHC	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	DIELDRIN	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDOSULFAN I	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDOSULFAN II	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDOSULFAN SULFATE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDRIN	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	ENDRIN ALDEHYDE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	GAMMA-BHC (LINDANE)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	HEPTACHLOR	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	HEPTACHLOR EPOXIDE	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	METHOXYCHLOR	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1016 (AROCLOR-1016)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1221 (AROCLOR-1221)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1232 (AROCLOR-1232)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1242 (AROCLOR-1242)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1248 (AROCLOR-1248)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1254 (AROCLOR-1254)	Y	
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	PCB-1260 (AROCLOR-1260)	Y	

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	TOXAPHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA		Y	SPM: Y Jul 01, 2008 AM: Y Jul 01, 2008
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	ACENAPHTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	ACENAPHTHYLENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(A)ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(A)PYRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(B)FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(G,H,I)PERYLENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	BENZO(K)FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	CHRYSENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	DIBENZO(A,H)ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	FLUORENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	INDENO(1,2,3-CD)PYRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	NAPHTHALENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	PHENANTHRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	PYRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA		Y	SPM: Y Jan 19, 2005 AM: Y Jan 19, 2005
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	1,2,4-TRICHLOROBENZENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4,6-TRICHLOROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DICHLOROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DIMETHYLPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DINITROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,4-DINITROTOLUENE (2,4-DNT)	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2,6-DINITROTOLUENE (2,6-DNT)	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-CHLORONAPHTHALENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-CHLOROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-METHYL-4,6-DINITROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-METHYLPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	2-NITROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	3,3-DICHLOROBENZIDINE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-BROMOPHENYLPHENYL ETHER	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-CHLORO-3-METHYLPHENOL	Y	

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP? Revision Date
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-CHLOROPHENYL PHENYL ETHER	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-METHYLPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	4-NITROPHENOL	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ACENAPHTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ACENAPHTHYLENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ACETOPHENONE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZIDINE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(A)ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(A)PYRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(B)FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(G,H,I)PERYLENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZO(K)FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BENZYL BUTYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2- CHLOROETHOXY)METHANE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2-CHLOROETHYL)ETHER	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2- CHLOROISOPROPYL)ETHER	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	BIS(2- ETHYLHEXYL)PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	CHLORDANE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	CHRYSENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DI-N-BUTYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DI-N-OCTYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DIBENZO(A,H)ANTHRACENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DIETHYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	DIMETHYL PHTHALATE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	FLUORANTHENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	FLUORENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROBENZENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROBUTADIENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROCYCLOPENTADI NE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	HEXACHLOROETHANE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	INDENO(1,2,3-CD)PYRENE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	ISOPHORONE	Y	
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	N-NITROSODI-N-PROPYLAMINI	Y	

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP?	Revision Date
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	N-NITROSODIMETHYLAMINE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	N-NITROSODIPHENYLAMINE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	NAPHTHALENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	NITROBENZENE (NB)	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PENTACHLOROPHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PHENANTHRENE	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PHENOL	Y		
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	PYRENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA		Y	SPM: Y	Oct 01, 2008
						AM: Y	Oct 01, 2008
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1,1-TRICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1,2,2-TETRACHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1,2-TRICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1-DICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,1-DICHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,2-DICHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,2-DICHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,2-DICHLOROPROPANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,3-DICHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	1,4-DICHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	2-CHLOROETHYL VINYL ETHER	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BROMODICHLOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BROMOFORM	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	BROMOMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CARBON TETRACHLORIDE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLORODIBROMOMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROFORM	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CHLOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	CIS-1,3-DICHLOROPROPENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	DICHLORODIFLUOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	ETHYLBENZENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	METHYLENE CHLORIDE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TETRACHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TOLUENE	Y		

Act	Category	Parameter/AM	Method/SPM	Analyte	Certified?	SOP?	Revision Date
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRANS-1,2-DICHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRANS-1,3-DICHLOROPROPEN	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRICHLOROETHENE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	TRICHLOROFLUOROMETHANE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	VINYL CHLORIDE	Y		
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	XYLENE, TOTAL	Y		

LCO: BUTTS, SUSAN
Lab ID# 98016
Certificate #: 98016002
Certifying Authority: North Carolina
Laboratory Name AES INC

Technical Deficiency Letter: Date Sent: JAN 06, 2009

Response Received: JAN 23, 2009

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	Sep 01, 2008	Sep 01, 2008	Jan 06, 2009	BUTTS, SUSAN
Deficiencies:	The EPA Method 608 SOP does not specify how the spiking solutions for the surrogates, pesticides, and PCBs are prepared. The matrix spiking solution included in the list of standards only includes 6 pesticides. Please specify the spiking solutions being used including the stock standards and the preparation of the working standards and submit the revised SOP for review.						
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	Jul 01, 2008	Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	Jan 19, 2005	Jan 19, 2005	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	Oct 01, 2008	Oct 01, 2008	Jan 06, 2009	BUTTS, SUSAN

Appendix 6

Out-of-State Renewal – Technical Review

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Reviews for AES INC; Permit No. 98016002

Review Type	Status	Start(ed)	Due	Completed	Assigned To / Reviewed By
ADMINISTRATIVE	Complete	DEC 22, 2008	JAN 04, 2009	JAN 04, 2009	BUTTS, SUSAN
TECHNICAL	Complete	JAN 04, 2009	APR 20, 2009	JAN 26, 2009	BUTTS, SUSAN

Remarks

Updated JAN 26, 2009 By BUTTS, SUSAN

Clock Status

Status Date JAN 26, 2009

Clock Started Date JAN 04, 2009 Clock Restart Date

Comments

Max. Days Allowed 90

Total Elapsed Days

Days Clock Active

Days Clock Stopped

Remaining Days

Updated JAN 26, 2009 By BUTTS, SUSAN

Record: 2/2 List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Out of State Tech Review for 98016002 - AES INC

Technical Deficiency Letter Date Sent: JAN 06, 2009 Response Received: JAN 23, 2009

Act	Category	Parameter/ Analytical Method	Method/ SPM	AM SOP Revision Date	Method/SPM SOP Revision Date	Date SOP Review Completed	LCO Completing Review	Def?
CLEAN WA	INORGANIC - DE	BIOCHEMICAL OXYGEN	SM 5210B (20T)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - DE	CHEMICAL OXYGEN DEEPA 410.4 (199)			JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - DE	TOTAL ORGANIC CARB	SM 5310B (20T)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	ALKALINITY	EPA 310.2 (197)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	ALKALINITY	SM 2320B (20T)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	CHLORIDE	EPA 300.0 (199)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	CHLORIDE	SM 4500CL-E (2		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	FLUORIDE	EPA 300.0 (199)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	HARDNESS, TOTAL (A	SM 2340B (18T)		FEB 04, 2001	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	HYDROGEN-ION CONC	SM 4500HB (20)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	SPECIFIC CONDUCTAN	EPA 120.1 (198)		JUL 01, 2005	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	SULFATE	EPA 300.0 (199)		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	CYANIDE	SM 4500CNC.E		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	
CLEAN WA	INORGANIC - MI	OIL & GREASE	EPA 1664A		JUL 01, 2008	JAN 06, 2009	BUTTS, SU	

Deficiency

Comments

Print

Record: 1/2 <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Task for Permit ID 98016002

Tasks: ☒ All ☐ Completed ☐ Incomplete ☐ Pending ☐ Past Due ☐ Export Data to Report / File

Assigned To: ☒ Anyone ☐ Me ☐ My Dept. ☐ Other User ☐ Other Dept.

Group	Type	Description	Status	Start/Recd Date	Due Date	Complete Date	Results
LABCERT REVIEW	TECHNICAL	Technical Deficiency	COMPLETED	JAN 06, 2009		JAN 23, 2009	COMPLETE
LABCERT REVIEW	INORGANIC	Inorganic Review	COMPLETE	JAN 04, 2009		JAN 06, 2009	COMPLETE
LABCERT REVIEW	TRACE MET	Trace Metals Review	COMPLETED	JAN 04, 2009		JAN 06, 2009	COMPLETE
LABCERT REVIEW	TECHREVIE	Out of State Tech Re	COMPLETE	JAN 04, 2009		JAN 26, 2009	COMPLETE
LABCERT REVIEW	ORGANIC R	Organic Review	COMPLETED	JAN 04, 2009		JAN 26, 2009	COMPLETE

Permit ID 98016002 D UST Fac. ID D Person Assigned BUTTS, SUSAN D

Person / Co. AES INC D Dept. Assigned DHEC D

Proj. Name / ID D Completed By D

Air Source Cat. E

Description

Created JAN 16, 2009 By BUTTS, SUSAN Updated JAN 26, 2009 By BUTTS, SUSAN

☐ Referrals ☐ Include Date Range in Query ☐ Batch Document Printing ☐ Make All Documents Public

☐ Checklist ☐ History ☐ Relations

Record: 1/5 List of Values <OSC> <DBG>

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

Document Entry/Update

Create New Print Document

Document Name Version

Document Description Status

Comments Secure

☐ FOI Request

Previously Created Documents

Document Name	Version	Draft	FOI	Created	Printed	Status
LABDEFRENEWALTECH	1	1	N	JAN 16, 2009	JAN 16, 2009	Final Draft

Comments

Print/Reprint Create Document Link Secure

View Copy Document

Record: 1/1 <OSC> <DBG>

LCO: BUTTS, SUSAN
 Lab ID#: 98016
 Certificate #: 98016002
 Certifying Authority: North Carolina
 Laboratory Name: AES INC

Technical Deficiency Letter: Date Sent: JAN 06, 2009

Response Received: JAN 23, 2009

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	INORGANIC - DEMAND	BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - DEMAND	CHEMICAL OXYGEN DEMAND (COD)	EPA 410.4 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - DEMAND	TOTAL ORGANIC CARBON (TOC)	SM 5310B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	EPA 310.2 (1974)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	ALKALINITY	SM 2320B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	CHLORIDE	SM 4500CL-E (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	FLUORIDE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	HARDNESS, TOTAL (AS CaCO ₃)	SM 2340B (18TH)		Feb 04, 2001	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	SPECIFIC CONDUCTANCE	EPA 120.1 (1982)		Jul 01, 2005	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MINERAL	SULFATE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	CYANIDE	SM 4500CNC,E (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	OIL & GREASE	EPA 1664A		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	PHENOLICS, TOTAL RECOVERABLE	EPA 420.1 (1978)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	RESIDUAL CHLORINE	SM 4500CLG (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	SULFIDE	SM 4500S2F (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - MISCELLANEOUS	TURBIDITY	EPA 180.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	AMMONIA-NITROGEN	EPA 350.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	KJELDAHL-NITROGEN	EPA 351.2 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (NO ₂ &NO ₃)	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITRITE (NO ₂ &NO ₃)	EPA 353.2 (1993)		Mar 29, 2006	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRATE-NITROGEN	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	NITRITE-NITROGEN	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 300.0 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	ORTHOPHOSPHATE	EPA 365.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - NUTRIENT	PHOSPHORUS	EPA 365.1 (1993)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, NONFILTERABLE (TSS)	SM 2540D (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, SETTLEABLE (SS)	SM 2540F (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - RESIDUE	RESIDUE, TOTAL (TS)	SM 2540B (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - RESIDUE	SOLIDS, TOTAL DISSOLVED (TDS)	SM 2540C (20TH)		Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ALUMINUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ANTIMONY	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ARSENIC	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	BARIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	BERYLLIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CADMIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CALCIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	CHROMIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COBALT	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	COPPER	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	IRON	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	LEAD	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MAGNESIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MANGANESE	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MERCURY	EPA 245.1 (1994)		Aug 01, 2003	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	MOLYBDENUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	NICKEL	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	SELENIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN

Act	Category	Parameter/AM	Method/SPM	AM SOP Revision Date	SOP Revision Date	SOP Review Completed Date	LCO Completing Review
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	SILVER	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	THALLIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	VANADIUM	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.7 (1994)		Jan 19, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	INORGANIC - TRACE METAL	ZINC	EPA 200.8 (1994)		Jan 01, 2007	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	PCBS AND PESTICIDES	EPA 608	NA	Sep 01, 2008	Sep 01, 2008	Jan 06, 2009	BUTTS, SUSAN
Deficiencies:	The EPA Method 608 SOP does not specify how the spiking solutions for the surrogates, pesticides, and PCBs are prepared. The matrix spiking solution included in the list of standards only includes 6 pesticides. Please specify the spiking solutions being used including the stock standards and the preparation of the working standards and submit the revised SOP for review.						
CLEAN WATER ACT	SEMI-VOLATILES	EPA 610	NA	Jul 01, 2008	Jul 01, 2008	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	SEMI-VOLATILES	EPA 625	NA	Jan 19, 2005	Jan 19, 2005	Jan 06, 2009	BUTTS, SUSAN
CLEAN WATER ACT	VOLATILES (VOCS)	EPA 624	NA	Oct 01, 2008	Oct 01, 2008	Jan 06, 2009	BUTTS, SUSAN